SUP

PROJECT ID: 1610-00-77/80

WITH: N/A

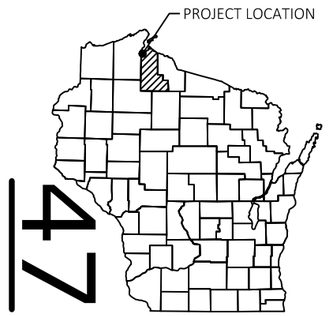
COUNTY: ASHLAND

NOVEMBER 2024
ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat (WisDOT Acquisition)
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
~~Section No.~~	~~8~~	~~Structure Plans~~
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 540

PROJECT LOCATION



N

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

MELLEN - ASHLAND

BUTTERWORTH RD TO USH 2

STH 13

ASHLAND COUNTY

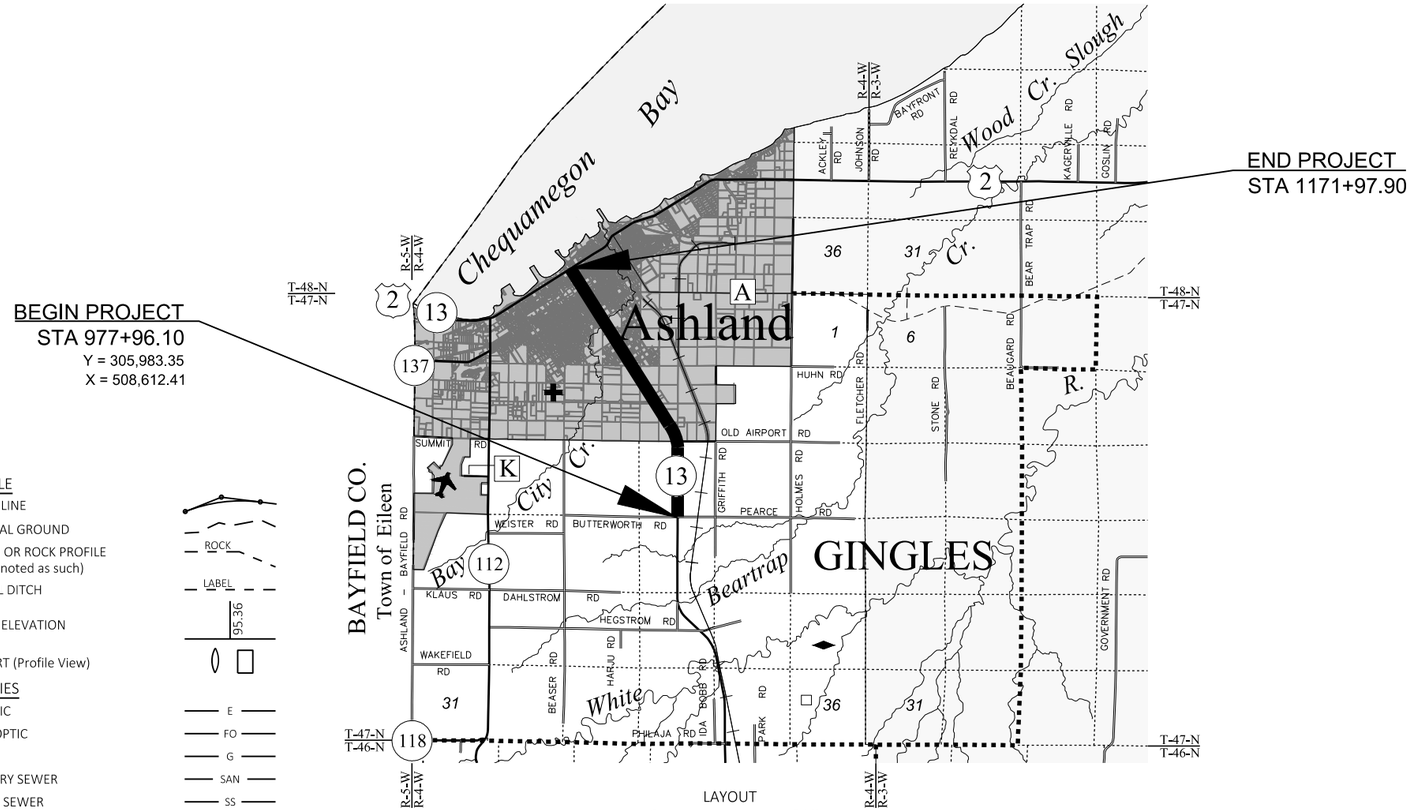
STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1610-00-77	WISC 2025065	1
1610-00-80		

ROADWAY CONSTRUCTION
STATE PROJECT NUMBER
1610-00-77

WATER UTILITIES
STATE PROJECT NUMBER
1610-00-80

DESIGN DESIGNATION 1610-00-07

		STA. 997+96- 110+35	STA. 1100+35- 1120+50	STA. 1120+50- 1171+98
A.A.D.T.	2025 =	6,830	----	----
A.A.D.T.	2045 =	6,830	----	----
D.H.V.	=	----	----	----
D.D.	=	50/50	----	----
T.	=	13.8%	----	----
DESIGN SPEED(MPH)	=	60 /	35 /	25
ESALS	=	2,310,000	----	----



TOTAL NET LENGTH OF CENTERLINE = 3.675 MILES

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), ASHLAND COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		**UTILITIES**	
REFERENCE LINE	300'ER'	ELECTRIC	E
EXISTING CULVERT		FIBER OPTIC	FO
PROPOSED CULVERT (Box or Pipe)		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
MARSH AREA		STORM SEWER	SS
WOODED OR SHRUB AREA		TELEPHONE	T
		WATER	W
		UTILITY PEDESTAL	
		POWER POLE	
		TELEPHONE POLE	

ORIGINAL PLANS PREPARED BY
NORTHERN WISCONSIN-BASED ENGINEERS, INC.

N.W.B.E. NORTHERN WISCONSINBASED ENGINEERS, INC.

WISCONSIN
GARY T. COLBERT
E-31562
SPOONER
WIS.
PROFESSIONAL ENGINEER

7/29/2024

DATE: _____

ACCEPTED FOR

CITY of ASHLAND

(JOHN BUTLER - PUBLIC WORKS DIRECTOR) 7-30-24 (DATE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	NWBE, INC.
Designer	NWBE, INC
Project Manager	MATTHEW DICKENSON, PE
Regional Examiner	NORTHWEST REGION
Regional Supervisor	MATTHEW G. VAN NATTA, PE

APPROVED FOR THE DEPARTMENT

DATE: 7/29/2024 MATTHEW DICKENSON (Signature)

E

GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY FACILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL COORDINATE ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

WHEN THE QUANTITY OF BASE AGGREGATE IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

THE EXACT LOCATION OF THE EROSION CONTROL DEVICES SHALL BE DETERMINED IN THE FIELD.

THE EXACT LOCATION OF ALL DRIVEWAYS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD. ALL DRIVEWAYS ARE TO BE REPLACED IN KIND UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE PLANS.

REMOVALS SHALL BE DONE WITHOUT DAMAGING ADJACENT PAVEMENT OR SIDEWALK. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPLACING ANY DAMAGED LOCATIONS CAUSED BY REMOVING OPERATIONS.

CONSTRUCT INSIDE EDGE OF SIDEWALK 1/2-INCH HIGHER THAN THE TOP OF CURB WHEN THEY ARE ADJACENT TO EACH OTHER.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE 4-INCH TOPSOILED, FERTILIZED, SEEDED AND MULCHED OR EROSION MATTED AS SHOWN ON THE PLANS. FINISHED SEEDED SURFACE SHALL BE 1-INCH BELOW THE TOP OF ADJACENT CONCRETE.

ALL CURB AND GUTTER RADII ARE TO FACE OF CURB, PAVEMENT DIMENSIONS, AND STATIONS ARE SHOWN TO THE EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.

CURB AND GUTTER ELEVATIONS ARE ALONG THE FLANGE LINE UNLESS OTHERWISE NOTED.

CURVE DATA ON THE PLAN IS "ARC DEFINITION".

ALL CONCRETE PIPE JOINTS SHALL BE TIED.

ALL STORM SEWER INVERTS, ELEVATIONS, PIPE LENGTHS, AND GRADES ARE COMPUTED CENTER-TO-CENTER OF STRUCTURES.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN AND PROVIDE DOCUMENTATION TO THE ENGINEER.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.

ELIMINATE VERTICAL DROP-OFFS WITHIN 72 HOURS OR BEFORE A WEEKEND OR HOLIDAY WHICHEVER COMES FIRST.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

STATIONING, DISTANCES, AND OFFSETS FOR SIGNS SHOWN IN THE PLANS ARE APPROXIMATE AND THE FINAL LOCATION OF SIGNS ARE TO BE DETERMINED BY THE ENGINEER.

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY OPERATIONS, OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

THE CONTRACTOR IS TO WORK WITH UTMOST CARE AND PROTECT ALL SURVEY MARKERS. REMOVAL OF ANY SURVEY MARKER IS TO BE WITH THE APPROVAL OF THE ENGINEER.

THE PROPOSED SHOULDER WIDTH SHOWN IN THE TYPICAL SECTIONS ARE MINIMUM WIDTH. PERPETUATE EXISTING SHOULDERS THAT ARE WIDER THAN WHAT IS SHOWN IN THE TYPICAL SECTIONS.

UTILITIES

BAYFIELD ELECTRIC COOPERATIVE, INC
(ELECTRICITY - DISTRIBUTION)
ATTN: ROBERT LAHTI
68460 DISTRICT STREET, PO BOX 68
IRON RIVER, WI 54847
PHONE: (715) 372-4287
EMAIL: BOB.LAHTI@BAYFIELDELECTRIC.COM

BRIGHTSPEED OF NORTH CENTRAL WISCONSIN, LLC
(COMMUNICATIONS)
ATTN: TAYLOR AYLESWORTH
135 N 21ST STREET
SUPERIOR, WI 54880
PHONE: (980) 376-1577
EMAIL: TAYLOR.AYLESWORTH@BRIGHTSPEED.COM

CITY OF ASHLAND WATER & WASTEWATER (ELECTRICITY)
ATTN: GREG LEDIN
2020 6TH STREET E
ASHLAND, WI 54806
PH: (715) 685-1649 (OFFICE)
PH: (715) 292-1117 (MOBILE)
EMAIL: GLEDIN@COAWI.ORG

CITY OF ASHLAND WATER & WASTEWATER (SEWER)
ATTN: BRIAN LEDIN
1901 KNIGHT ROAD
ASHLAND, WI 54806
PH: (715) 685-1655 (OFFICE)
PH: (715) 209-7194 (MOBILE)
EMAIL: BLEDIN@COAWI.ORG

CITY OF ASHLAND WATER & WASTEWATER (WATER)
ATTN: BRIAN LEDIN
1901 KNIGHT ROAD
ASHLAND, WI 54806
PH: (715) 685-1655 (OFFICE)
PH: (715) 209-7194 (MOBILE)
EMAIL: BLEDIN@COAWI.ORG

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

ENBRIDGE ENERGY (GAS/PETROLEUM)
ATTN: BRIAN TREKAS
501 EASY STREET
IRONWOOD, MI 49938
PH: (906) 285-2202
EMAIL: BRIAN.TREKAS@ENBRIDGE.COM

GREAT LAKES GAS (GAS/PETROLEUM)
ATTN: MICHAEL BRISTER
677 ANNE ST NW, SUITE H
BEMIDJI, MN 56601
PH: (701) 471-0519 (MOBILE)
EMAIL: MICHAEL_BRISTER@TCENERGY.COM

MERIT NETWORK, INC (COMMUNICATIONS)
ATTN: KEVIN HAWTHORNE
880 TECHNOLOGY DRIVE
ANN ARBOR, MI 48108
PH: (734) 474-4867 (MOBILE)
EMAIL: KHAWT@MERIT.EDU

NORTHERN NATURAL GAS COMPANY (GAS/PETROLEUM)
ATTN: ANDREW ANKRUM
1995 NORTHERN NATURAL GAS ROAD
CARLTON, MN 55718
PH: (402) 530-3451 (OFFICE)
PH: (218) 460-9569 (MOBILE)
EMAIL: ANDREW.ANKRUM@NNGCO.COM

NORVADO (COMMUNICATIONS)
ATTN: GUY FOLSOM
PO BOX 67
43705 USH 63
CABLE, WI 54821-0067
PH: (715) 798-7123 (OFFICE)
PH: (715) 580-8123 (MOBILE)
EMAIL: GFOLSOM@NORVADO.COM

SPECTRUM (COMMUNICATIONS)
ATTN: RYAN NELSON
1810 LAKESHORE DRIVE E
ASHLAND, WI 54806
PH: (715) 931-0238 (MOBILE)
EMAIL: RYAN.NELSON@CHARTER.COM

XCEL ENERGY (ELECTRICITY - TRANSMISSION)
ATTN: MITCHELL DIENGER
414 NICOLLET MALL
MINNEAPOLIS, MN 55401
PH: (612) 321-3109
EMAIL: MITCHELL.A.DIENGER@XCELENERGY.COM

XCEL ENERGY (ELECTRICITY - DISTRIBUTION)
ATTN: BEN KOZAK
2400 FARM ROAD
ASHLAND, WI 54806
PH: (715) 682-6915
EMAIL: BENJAMIN.KOZAK@XCELENERGY.COM

XCEL ENERGY (GAS)
ATTN: CHERI MARCHELLO
1751 LIBERTY ST.
IRONWOOD, MI 49938
PH: (906) 767-5125
EMAIL: CHERI.J.MARCHELLO@XCELENERGY.COM

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
MISC. CONSTRUCTION
INTERSECTIONS
CURB RAMPS
EROSION CONTROL
STORM SEWER (DESIGNED BY SEH, INC.)
WATER MAIN (DESIGNED BY SEH, INC.)
PERMANENT SIGNING
LIGHTING (DESIGNED SEH, INC.)
TRAFFIC SIGNALS (DESIGNED SEH, INC.)
PAVEMENT MARKING
ALTERNATE TRAFFIC ROUTE
TRAFFIC CONTROL
ALIGNMENT DETAILS

DESIGN CONTACTS

NORTHERN WISCONSIN-BASED ENGINEERS, INC.
ATTN: GARY COLBERT, PE
P.O. BOX 328
HAYWARD, WI 54843
PH: (715) 634-4334
EMAIL: GCOLBERT@NWBEINC.COM

WISCONSIN DEPARTMENT OF TRANSPORTATION
ATTN: MATTHEW DICKENSON, PE - PROJECT MANAGER
NW REGION - SUPERIOR
1701 N 4TH STREET
SUPERIOR, WI 54880
PH: (715) 395-3022
EMAIL: MATTHEW.DICKENSON@DOT.WI.GOV

WDNR CONTACT

WDNR - NORTHERN REGION HEADQUARTERS
ATTN: SHAWN HASELEU
810 MAPLE STREET
SPOONER, WI 54801
PH: (715) 635-4228 (OFFICE)
PH: (715) 416-0478 (MOBILE)
EMAIL: SHAWN.HASELEU@WISCONSIN.GOV

NORTHLAND COLLEGE CONTACT

EXEC. DIRECTOR OF INFORMATION TECHNOLOGY & FACILITIES
ATTN: TODD PYDO
1411 ELLIS AVENUE S.
ASHLAND, WI 54806
PH: (715) 682-1682
EMAIL: TPYDO@NORTHLAND.EDU

CITY OF ASHLAND

CITY OF ASHLAND PUBLIC WORKS
ATTN: JOHN BUTLER - DIRECTOR
2020 6TH STREET E
ASHLAND, WI 54806
PH: (715) 685-1648
EMAIL: JBUTLER@COAWI.ORG

CITY OF ASHLAND PARKS & RECREATION
ATTN: SARA HUDSON - DIRECTOR
400 4TH AVENUE W
ASHLAND, WI 54806
PH: (715) 682-7059 - OFFICE
PH: (715) 685-1644 - MOBILE
EMAIL: SHUDSON@COAWI.ORG

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS:	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIPTURF:	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPETURF:			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT:	.70 - .95											
CONCRETE:	.80 - .95											
BRICK:	.70 - .80											
DRIVES, WALKS:	.75 - .85											
ROOFS:	.75 - .95											
GRAVEL ROADS, SHOULDERS:	.40 - .60											

TOTAL PROJECT AREA = 64.2 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 11.5 ACRES

2

PROJECT ID 1161-00-80
WATER MAIN REPLACEMENT
STA 1164±50 - 1171±50

N

Chequamegon Bay

City

of

Ashland

END PROJECT
STA 1171+97.90
END PCC PAVT
REPLACEMENT

PROJECT ID 1161-00-80
WATER MAIN REPLACEMENT
STA 1136±00 - 1154±00

MEMORIAL MEDICAL CENTER

11TH AVE W
9TH AVE W
CHAPPLE AVE
VAUGHN AVE
3RD AVE W
DEPOT DR
MAIN ST (2ND ST)
3RD ST
LAKE SHORE DRIVE (USH 2)
5TH ST
6TH ST
7TH ST
8TH ST
9TH ST
10TH ST
11TH ST
12TH ST
(FORMER13TH ST)
PRENTICE AVE
WILLIS AVE
STUNTZ AVE
CREEK
11TH AVE E
NORTHLAND COLLEGE
CITY
BAY
16TH ST
17TH ST
18TH ST
19TH ST
22ND ST

END PROJECT
STA 1153+42.92
END PCC PAVT RECONSTRUCTION
BEGIN PCC PAVT REPLACEMENT

STA 1116+45.46
END MILLING / HMA RESURFACE
BEGIN HMA PAVT RECONSTRUCTION

STA 1116+54.96
END HMA PAVT RECONSTRUCTION
BEGIN PCC PAVT RECONSTRUCTION

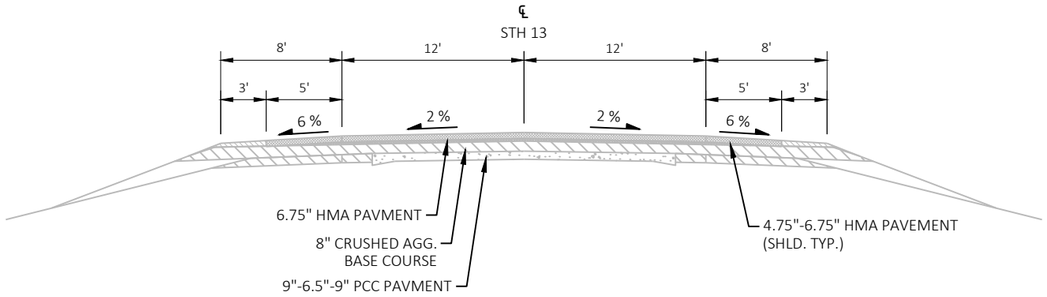
ELLIS AVENUE (STH 13)
BINSFIELD RD
ASHLAND CITY LIMITS
BUTTERWORTH RD
STH 13
SAWMILL ROAD
OLD AIRPORT RD
WISCONSIN CENTRAL LTD

BEGIN PROJECT
STA 977+96.10
BEGIN MILLING / HMA PAVT

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PROJECT OVERVIEW	SHEET 3	E

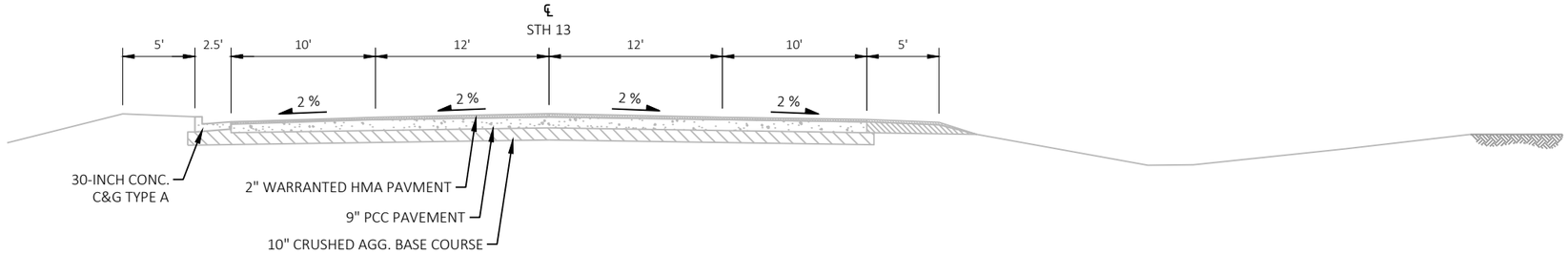
FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\020201_PO-13.DWG
LAYOUT NAME - 13_po-01
PLOT DATE : 8/1/2024 9:55 AM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1 IN:1500 FT
WISDOT/CADDS SHEET 42

2



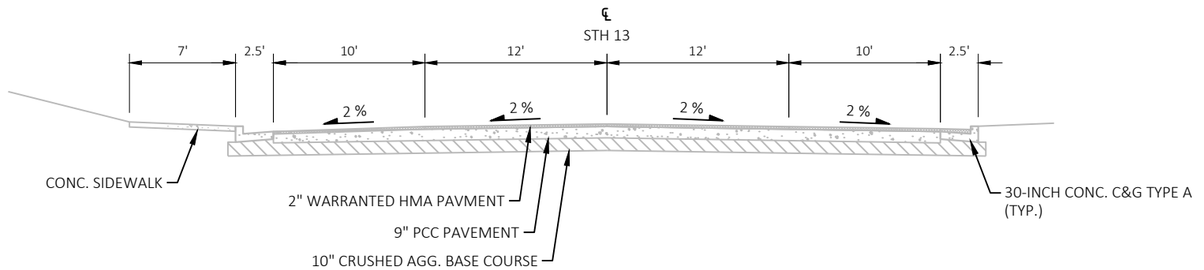
EXISTING TYPICAL SECTION - STH 13

BUTTERWORTH ROAD TO 16TH STREET
STA 977+96.1 - 1116+55.5



EXISTING TYPICAL SECTION - STH 13 (ELLIS AVENUE)

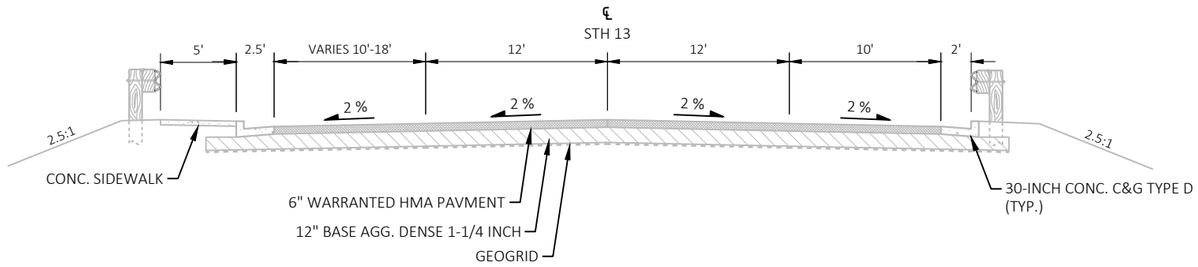
16TH STREET TO NORTHLAND COLLEGE DRIVE (SOUTH)
STA 1116+55.5 - 1122+18.5



EXISTING TYPICAL SECTION - STH 13 (ELLIS AVENUE)

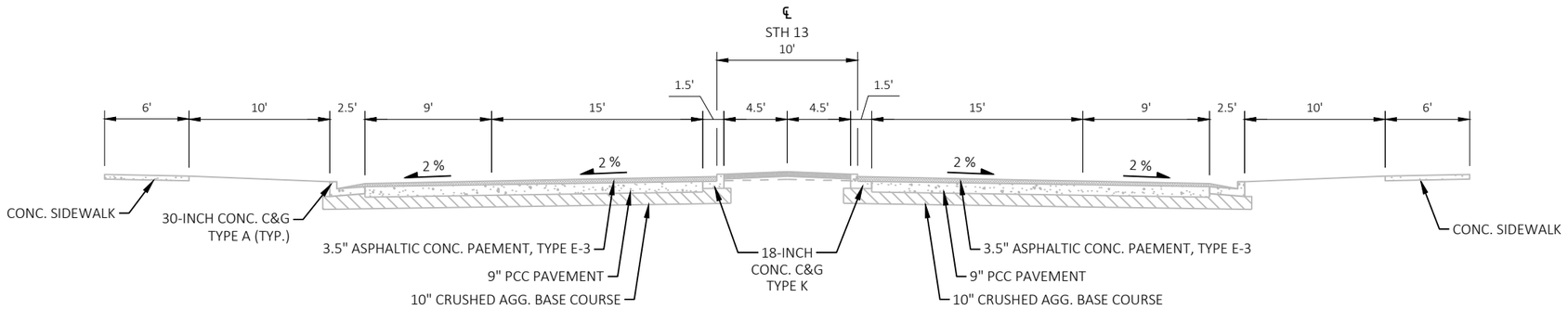
NORTHLAND COLLEGE DRIVE (SOUTH) TO C-20-06
STA 1122+18.5 - 1126+26.8

2



EXISTING TYPICAL SECTION - STH 13 (ELLIS AVENUE)

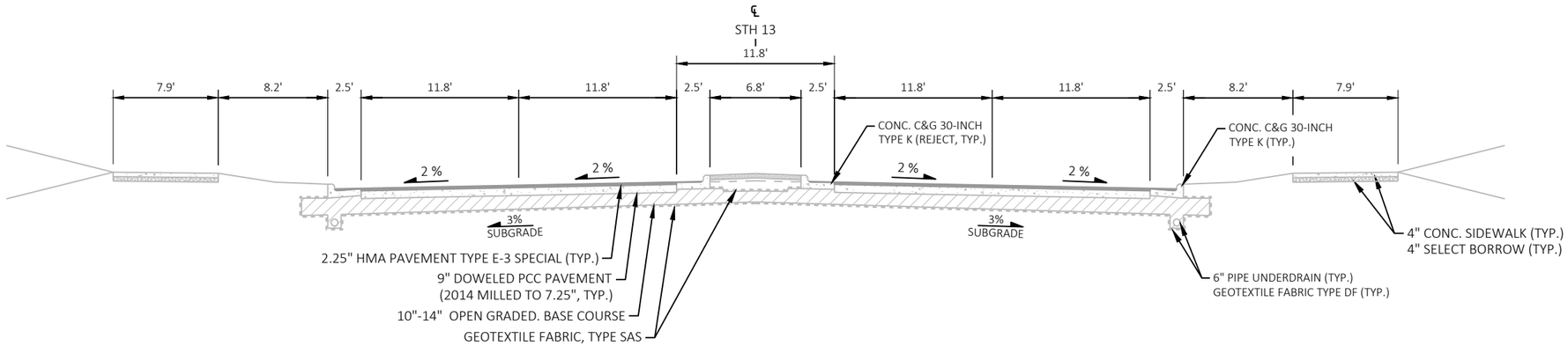
REINFORCED CONCRETE BOX CULVERT C-20-06
STA 1126+26.8 - 1127+37.3



EXISTING TYPICAL SECTION - STH 13 (ELLIS AVENUE)

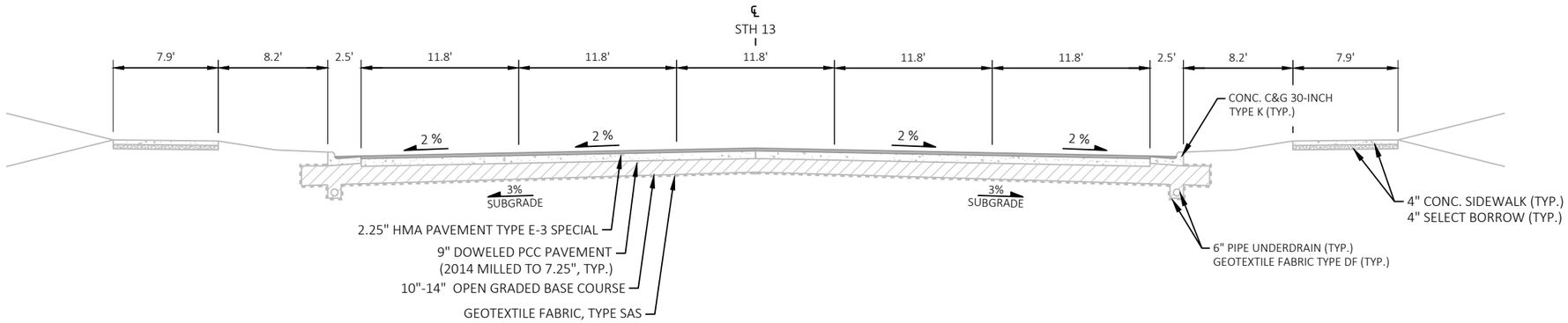
REINFORCED CONCRETE BOX CULVERT C-20-06 TO 6TH STREET
STA 1127+37.3 - 1153+42.9

2



EXISTING TYPICAL SECTION - STH 13 (ELLIS AVENUE)

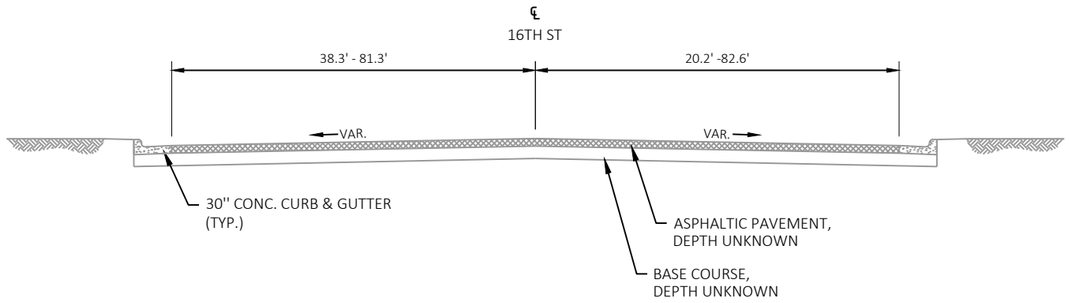
6TH STREET TO MAIN STREET
STA 1153+42.9 - 1167+28.4



EXISTING TYPICAL SECTION - STH 13 (ELLIS AVENUE)

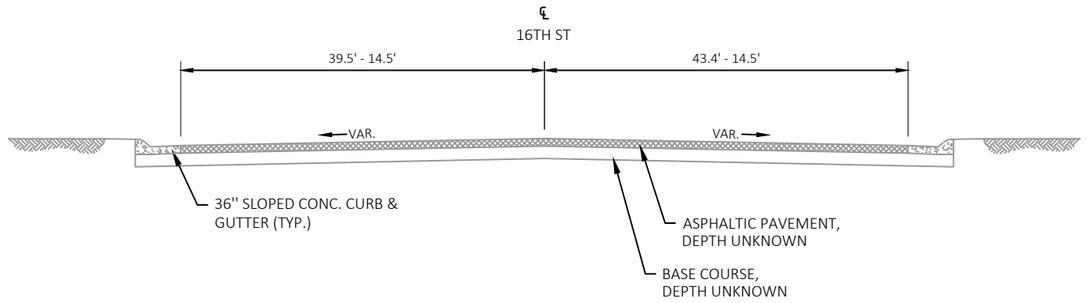
MAIN STREET TO LAKE SHORE DRIVE (USH2)
STA 1167+28.4 - 1171+97.9

2



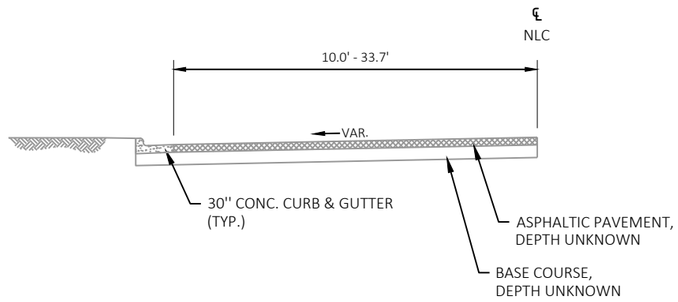
EXISTING TYPICAL SECTION - 16TH STREET (WEST)

STA. 9+51.9 - 9+71.0



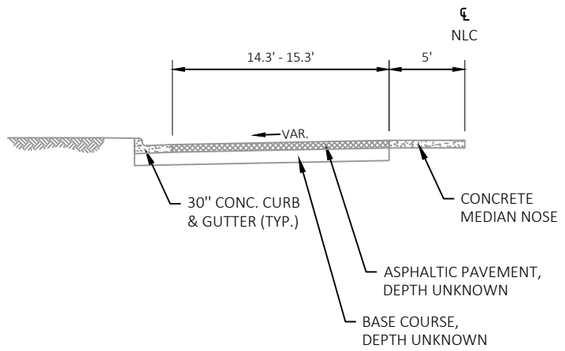
EXISTING TYPICAL SECTION - 16TH STREET (EAST)

STA. 10+26.0 - 10+54.8



EXISTING TYPICAL HALF SECTION - NORTHLAND COLL. ENTRANCE (SOUTH)

STA. 9+51.8 - 9+78.0

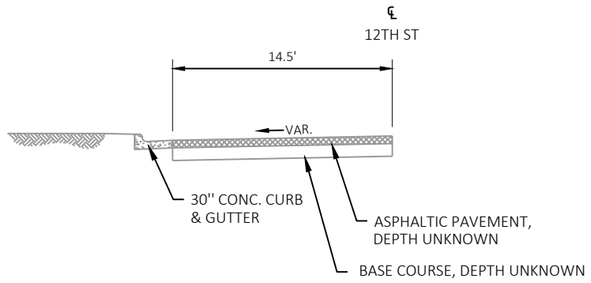


EXISTING TYPICAL HALF SECTION - NORTHLAND COLL. ENTRANCE (NORTH)

STA. 9+39.8 - 9+44.7

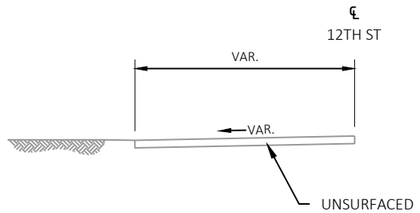
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TYPICAL SECTIONS	SHEET 7	E

2



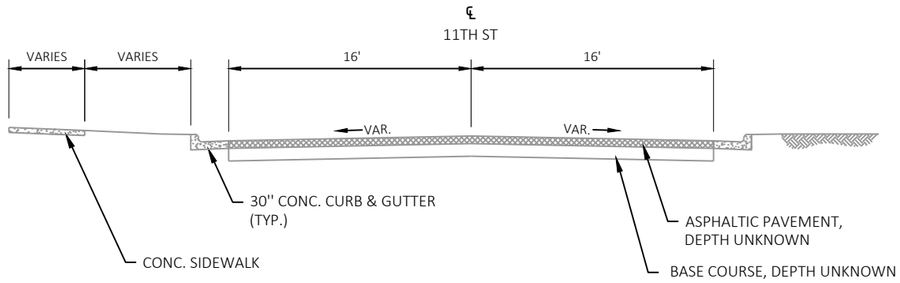
EXISTING TYPICAL HALF SECTION - 12TH STREET (WEST)

STA. 9+00.0 - 9+48.0



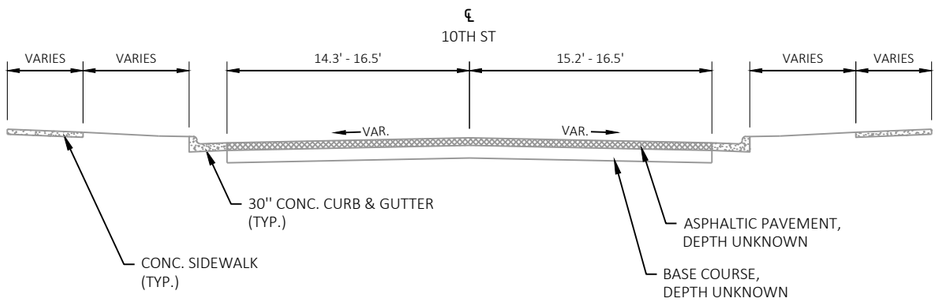
EXISTING TYPICAL HALF SECTION - 12TH STREET (EAST)

STA. 10+52.0 - 11+00.0



EXISTING TYPICAL SECTION - 11TH STREET

STA. 9+32.5 - 9+47.9
STA. 10+52.0 - 10+80.0

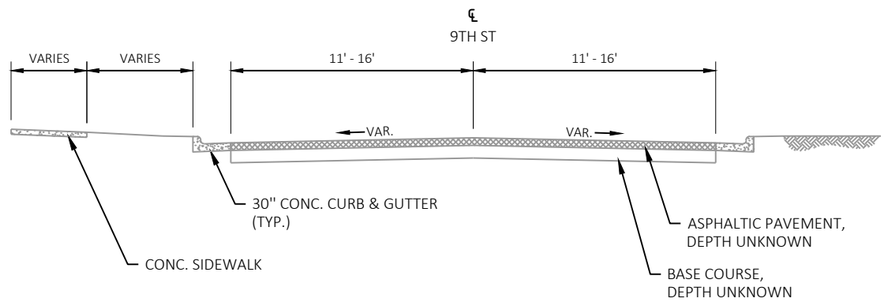


EXISTING TYPICAL SECTION - 10TH STREET

STA. 9+28.1 - 9+49.7
STA. 10+52.6 - 10+75.0

NOTE:

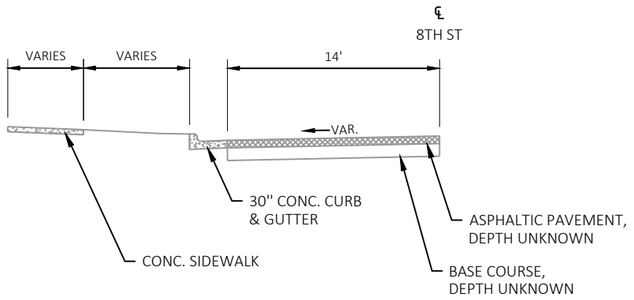
STA. 9+28.1 - 9+49.7 LT & RT - NO CONCRETE SIDEWALK.



EXISTING TYPICAL SECTION - 9TH STREET

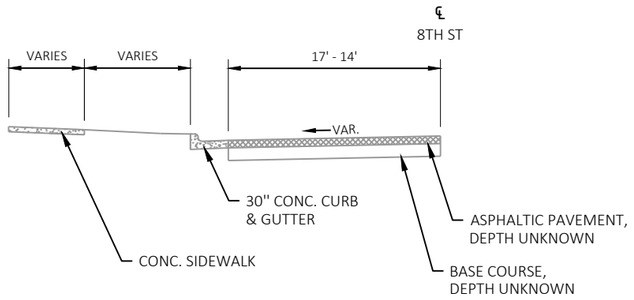
STA. 9+15.0 - 9+50.3
STA. 10+51.8 - 10+65.5

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TYPICAL SECTIONS	SHEET 8	E



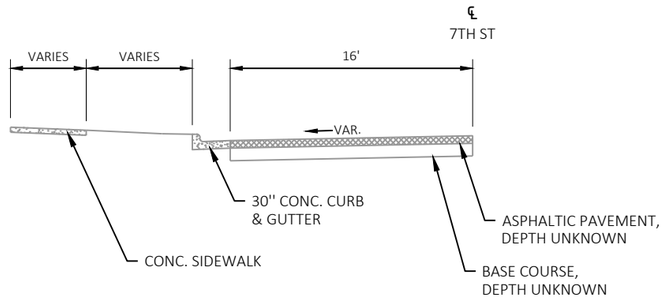
EXISTING TYPICAL HALF SECTION - 8TH STREET (WEST)

STA. 9+29.0 - 9+53.0



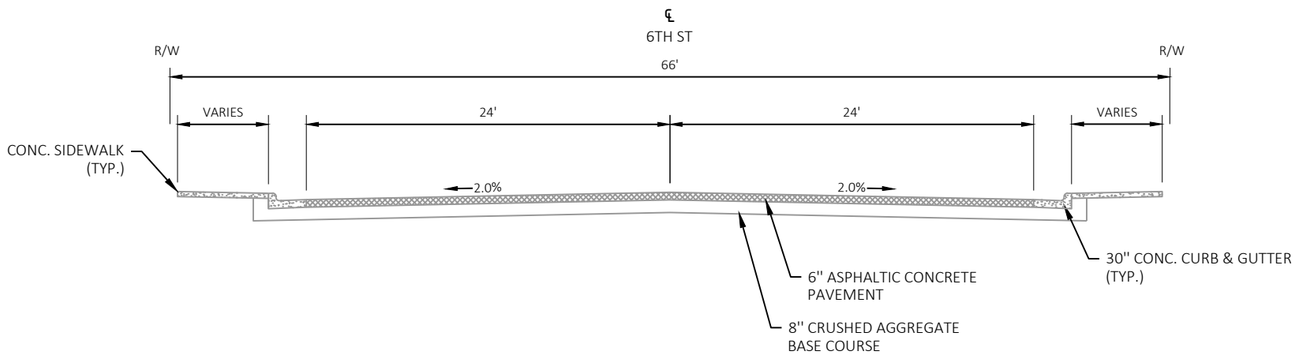
EXISTING TYPICAL HALF SECTION - 8TH STREET (EAST)

STA. 10+52.0 - 10+74.0



EXISTING TYPICAL HALF SECTION - 7TH STREET

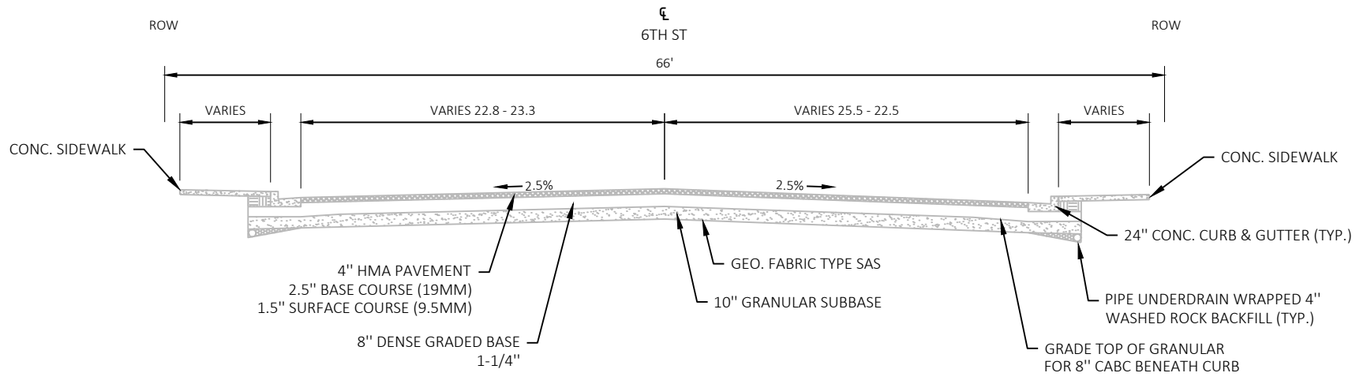
STA. 9+31.2 - 9+53.0
STA. 10+47.0 - 10+71.0



EXISTING TYPICAL SECTION - 6TH STREET (WEST)

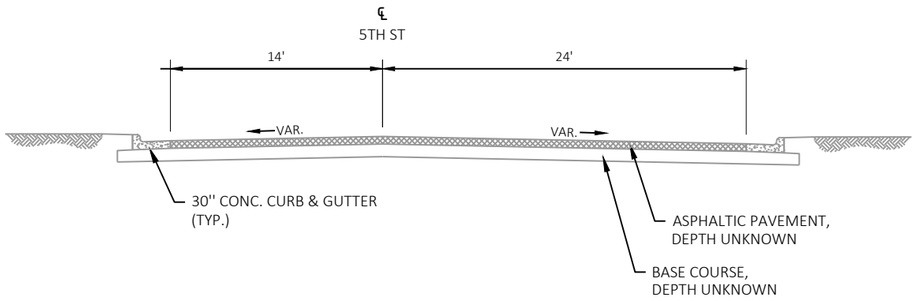
STA. 9+30.6 - 9+39.3

2



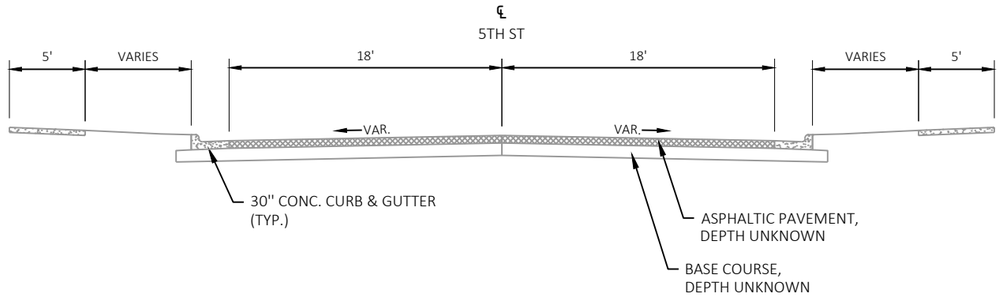
EXISTING TYPICAL SECTION - 6TH STREET (EAST)

STA. 10+64.6 - 10+81.7



EXISTING TYPICAL SECTION - 5TH STREET (WEST)

STA. 9+37.5 - 9+49.2

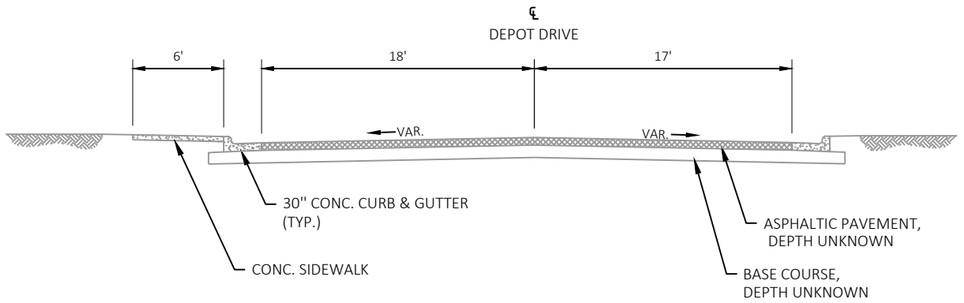


EXISTING TYPICAL SECTION - 5TH STREET (EAST)

10+51.7 - 10+61.3

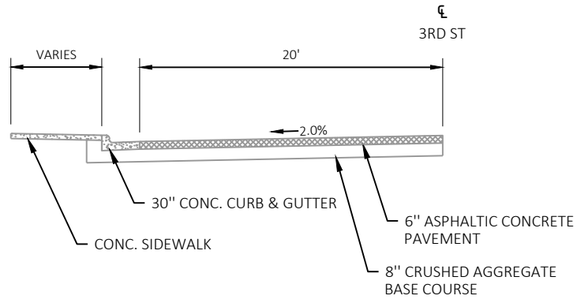
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TYPICAL SECTIONS	SHEET 10	E

2



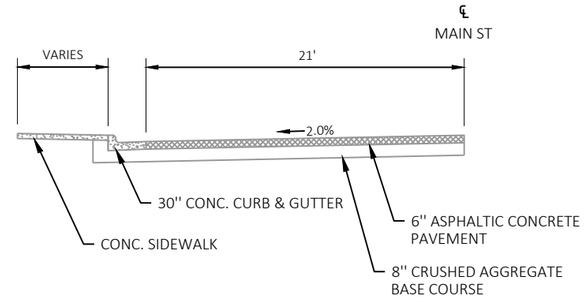
EXISTING TYPICAL SECTION - DEPOT DRIVE

STA. 9+28.4 - 9+48.5



EXISTING TYPICAL HALF SECTION - 3RD STREET

STA. 9+39.0 - 9+48.2
STA. 10+56.8 - 10+80.0



EXISTING TYPICAL HALF SECTION - MAIN STREET

STA. 9+38.4 - 9+48.4
STA. 10+61.6 - 10+70.3

NOTES

CROSS SLOPE VARIES DUE TO SUPERELEVATION. SEE SECTION 5 PLANS FOR SUPERELEVATION INFORMATION.

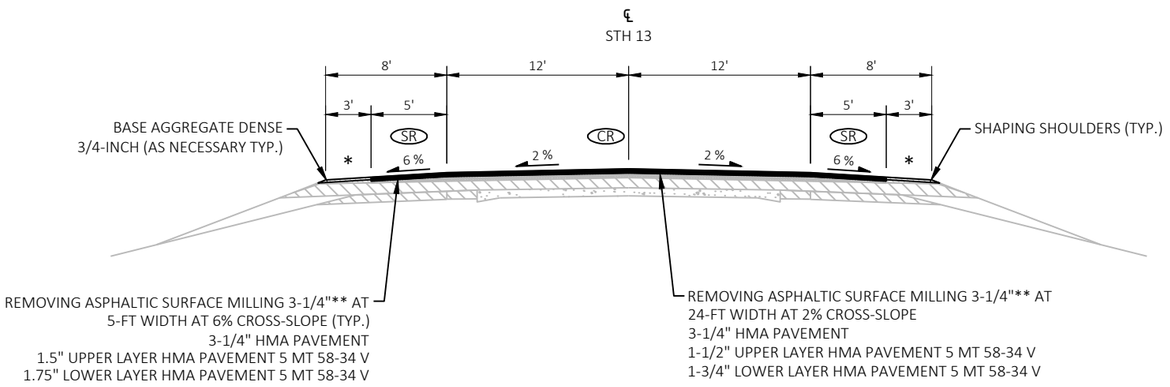
(CR) ASPHALTIC RUMBLE STRIPS, CENTERLINE - SEE SDD "2-LANE RURAL CENTERLINE RUMBLE STRIP - MILLING" FOR ADDITIONAL INFORMATION.

(SR) ASPHALTIC RUMBLE STRIPS, SHOULDER - SEE SDD "2-LANE RURAL SHOULDER RUMBLE STRIP - MILLING" FOR ADDITIONAL INFORMATION.

STA. 977+96.10 - 1116+45.46 - PREPARE FOUNDATION FOR ASPHALTIC PAVING AT 34-FT WIDTH.

* VARY FINISHED BASE AGGREGATE DENSE SHOULDER AS NEEDED TO MATHCH EXISTING SHOULDER POINT. (6% MAX.)

** MEASURE MILLING DEPTH AT EDGE OF EXISTING 12-FT TRAFFIC LANE.

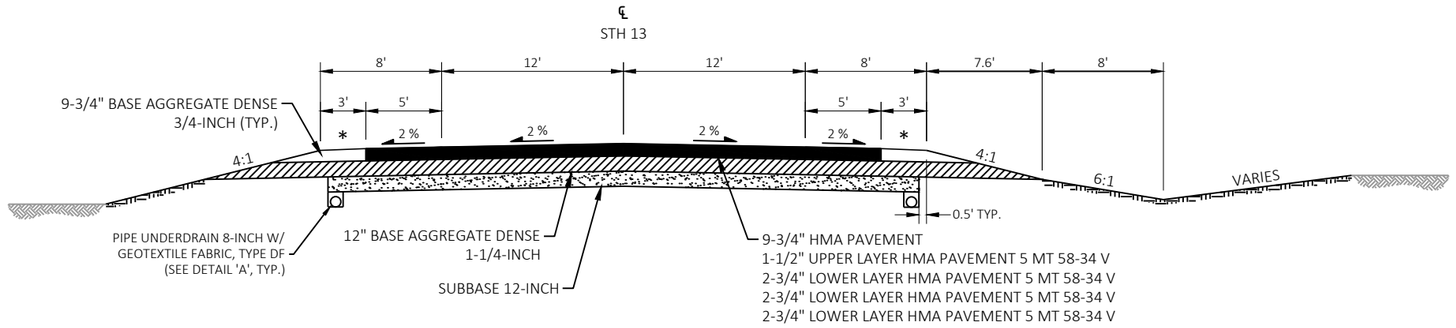


FINISHED TYPICAL SECTION - STH 13 (ELLIS AVENUE)

BUTTERWORTH ROAD TO 16TH STREET
STA 977+96.10 - 1116+45.46

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TYPICAL SECTIONS	SHEET 11	E

2

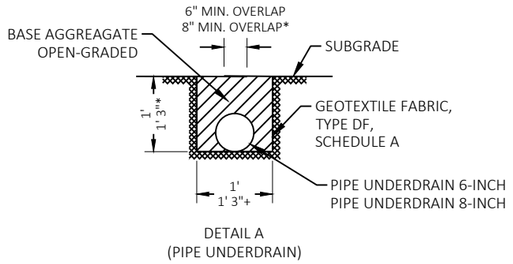


NOTE:

* 4% SLOPE

FINISHED TYPICAL SECTION - STH 13 (ELLIS AVENUE)

STA 1116+45.46 - 1116+54.96



DETAIL A
(PIPE UNDERDRAIN)

NOTES:

+ DIMENSIONS FOR PIPE UNDERDRAIN 8-INCH.

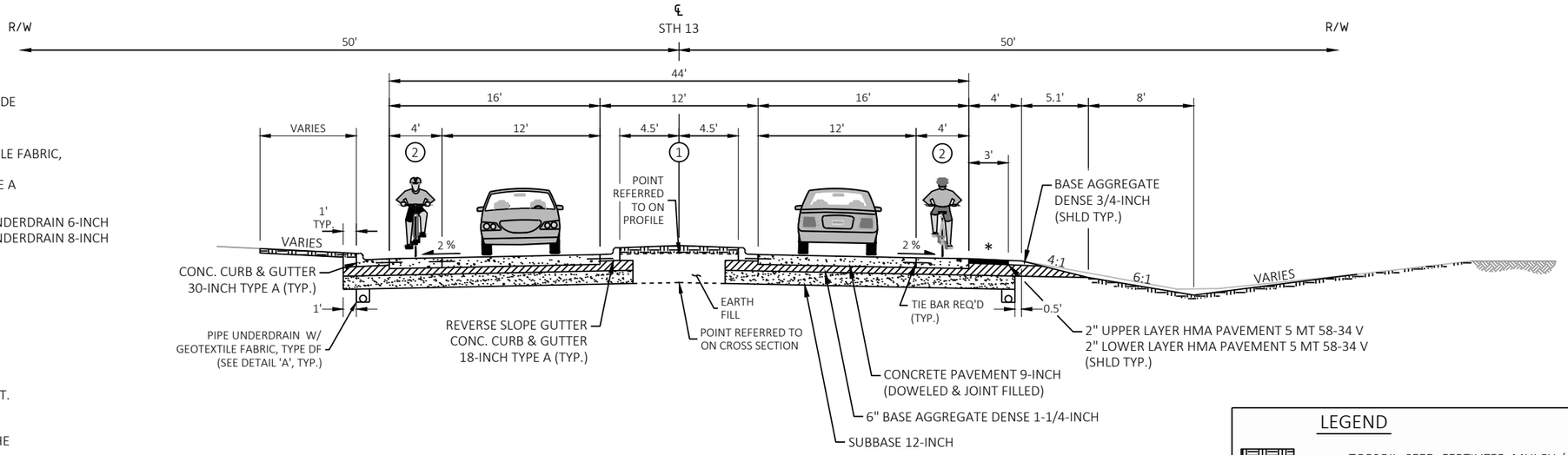
PIPE UNDERDRAIN 8-INCH STA 1117+40 - 1124+15 RT.

FABRIC SHALL OVERLAP AT THE TOP OF SUBGRADE. 6-INCH MINIMUM OVERLAP. OVERLAP FABRIC SO THE TOP FLAP POINTS AWAY FROM CENTERLINE

PIPE UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROADWAY.

PLACE UNDERDRAIN AFTER EXCAVATION OF SUBGRADE AND PRIOR TO THE PLACEMENT OF BASE LAYERS.

INSTALL UNDERDRAIN 5-FEET BEYOND THE LIMITS OF CONCRETE PAVEMENT ON SIDEROADS.



FINISHED TYPICAL SECTION - STH 13 (ELLIS AVENUE)

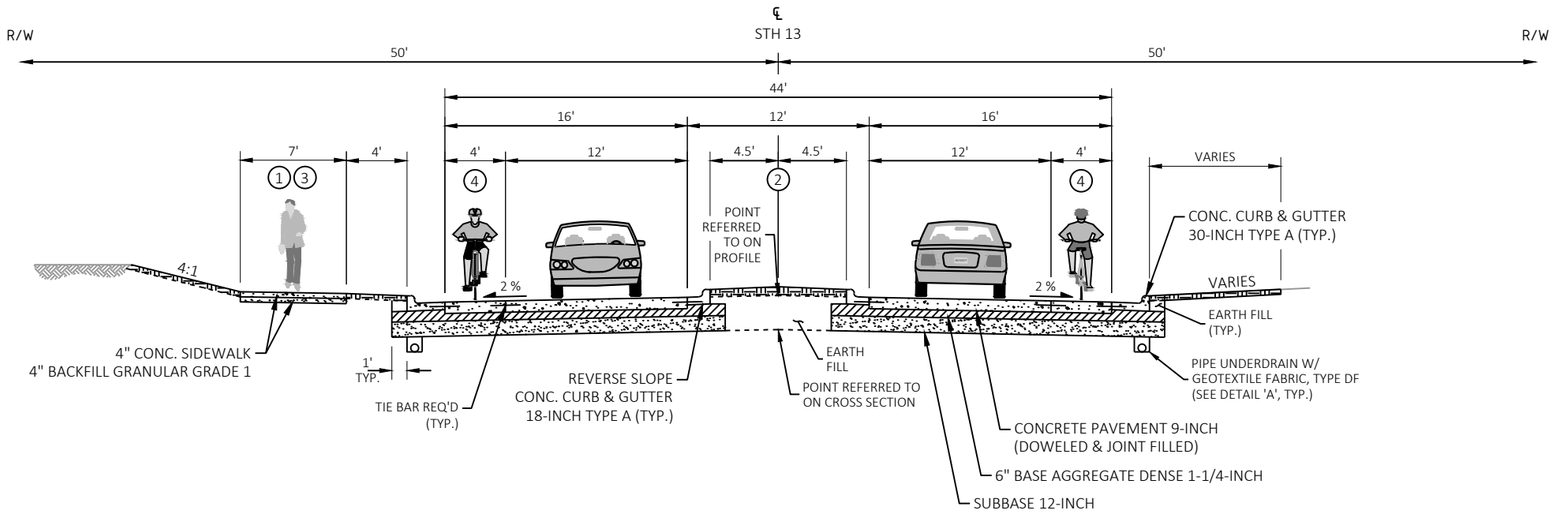
STA 1116+54.96 - 1121+80.00

LEGEND

	TOPSOIL, SEED, FERTILIZER, MULCH / EROSION MAT.
(1)	SEE PLAN AND PROFILE SHEETS FOR RAISED MEDIAN AND LEFT TURN LANE LOCATIONS.
(2)	BICYCLE ACCOMMODATION

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TYPICAL SECTIONS	SHEET 12	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\020301_TS-13.DWG
LAYOUT NAME - 09-10ft
PLOT DATE : 7/31/2024 11:27 AM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

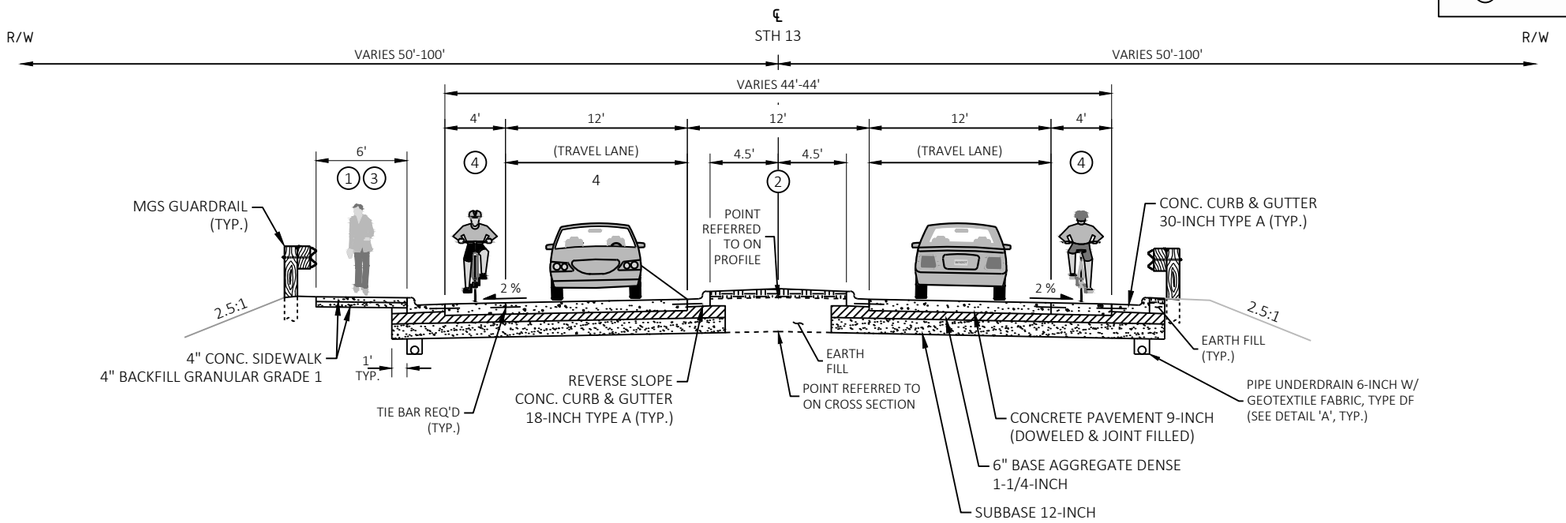


FINISHED TYPICAL SECTION - STH 13 (ELLIS AVENUE)

STA 1112+80.00 - 1125+26.38

LEGEND

- TOPSOIL, SEED, FERTILIZER, MULCH / EROSION MAT.
- (1) SEE PLAN AND PROFILE SHEETS FOR SIDEWALK AND CARRIAGE WALK LOCATIONS.
- (2) SEE PLAN AND PROFILE SHEETS FOR RAISED MEDIAN AND LEFT TURN LANE LOCATIONS.
- (3) SEE DETAILS FOR CURB RAMP LOCATIONS.
- (4) BICYCLE ACCOMMODATION.



FINISHED TYPICAL SECTION - STH 13 (ELLIS AVENUE)

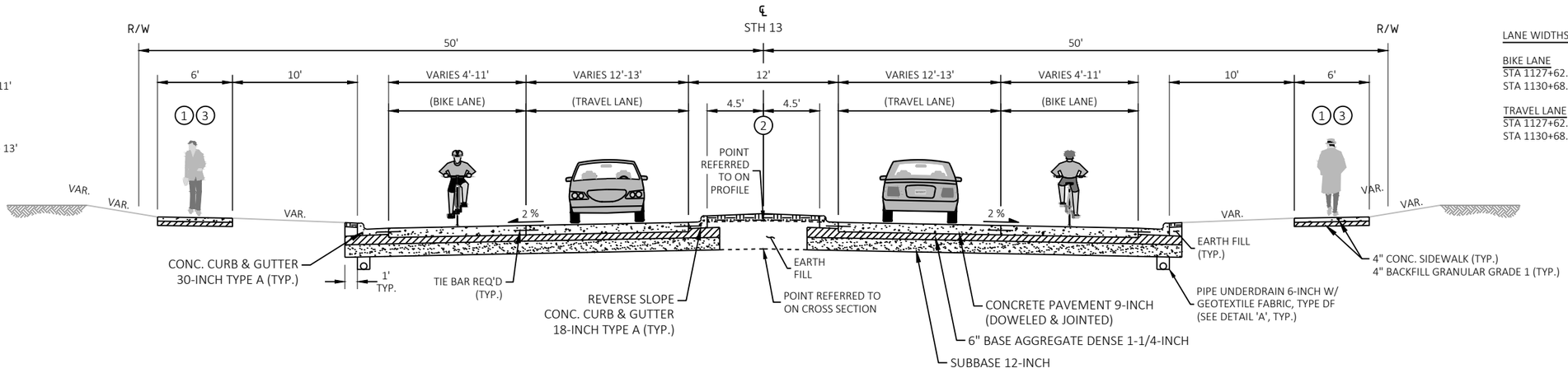
STA 11125+26.38 - 1127+62.33

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TYPICAL SECTIONS	SHEET 13	E

LANE WIDTHS LT

BIKE LANE
STA 1127+62.33 - 1128+45.33 = 4'
STA 1128+45.33 - 1129+52.00 = 4' - 11'
STA 1129+52.00 - 1131+68.52 = 11'

TRAVEL LANE
STA 1127+62.33 - 1128+45.33 = 12'
STA 1128+45.33 - 1129+52.00 = 12' - 13'
STA 1129+52.00 - 1131+68.5 = 13'



FINISHED TYPICAL SECTION - STH 13 (ELLIS AVENUE)

STA 1127+62.33 - 1131+68.52

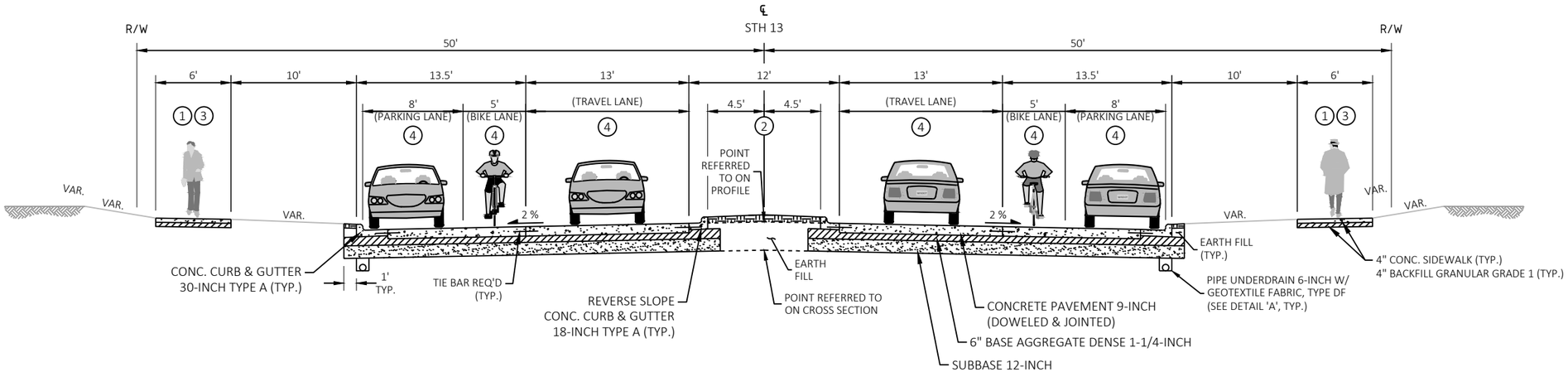
LANE WIDTHS RT

BIKE LANE
STA 1127+62.33 - 1130+68.52 = 4'
STA 1130+68.52 - 1131+68.52 = 4' - 11'

TRAVEL LANE
STA 1127+62.33 - 1130+68.52 = 12'
STA 1130+68.52 - 1131+68.52 = 12' - 13'

LEGEND

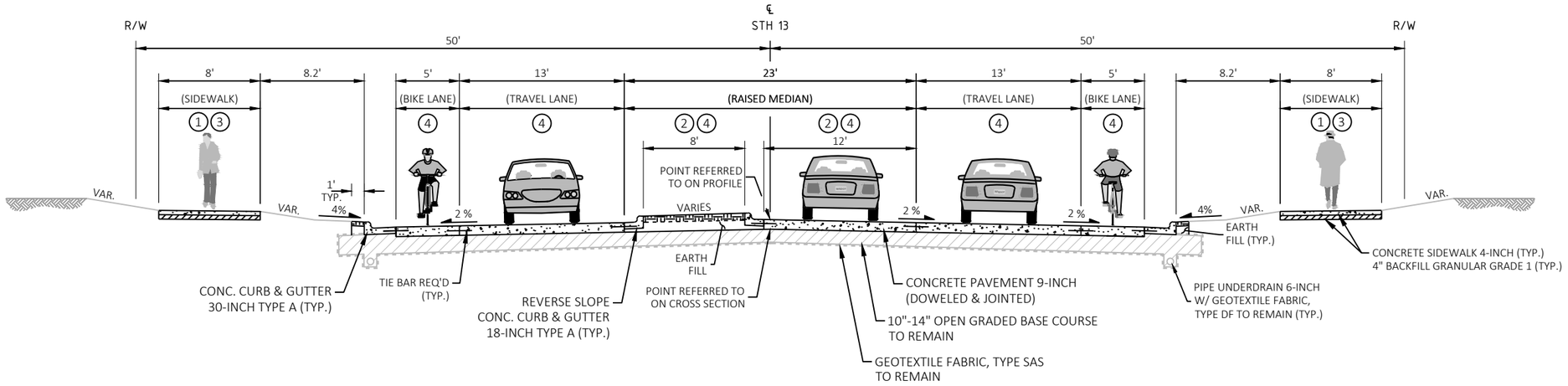
	TOPSOIL, SEED, FERTILIZER, MULCH / EROSION MAT.
1	SEE PLAN AND PROFILE SHEETS FOR SIDEWALK AND CARRIAGE WALK LOCATIONS.
2	SEE PLAN AND PROFILE SHEETS FOR RAISED MEDIAN AND LEFT TURN LANE LOCATIONS.
3	SEE DETAILS FOR CURB RAMP LOCATIONS.
4	SLOPES VARY. SEE PLAN AND PROFILE AND CROSS-SECTION SHEETS.



FINISHED TYPICAL SECTION - STH 13 (ELLIS AVENUE)

STA 1131+68.52 - 1153+42.92

2



NOTE:

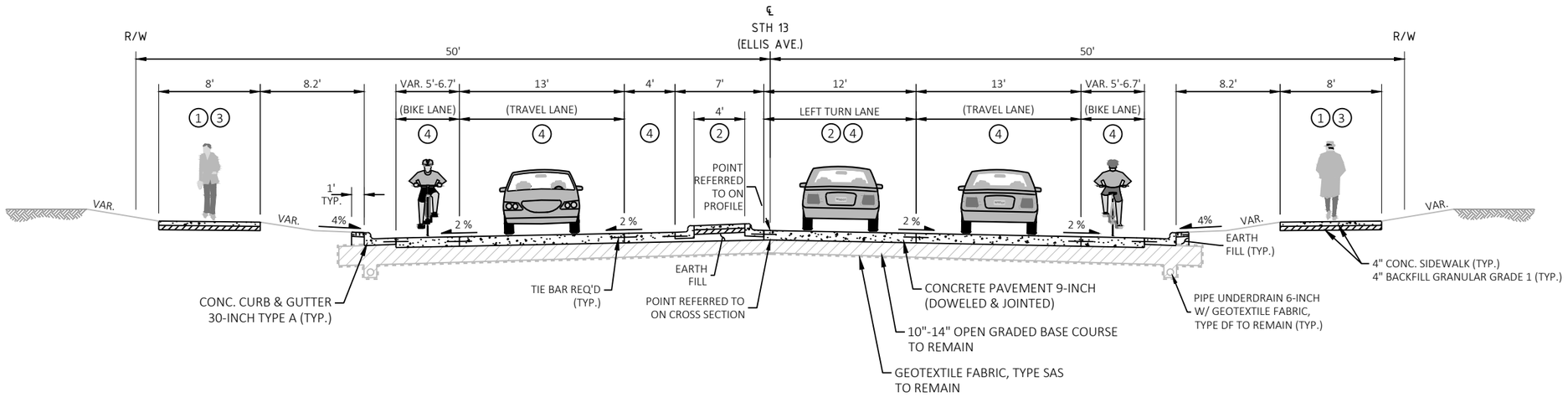
STA. 1153+42.92 - 1171+97.90 - PREPARE FOUNDATION FOR CONCRETE PAVEMENT

FINISHED TYPICAL SECTION - STH 13 (ELLIS AVENUE)

6TH STREET TO MAIN STREET
STA 1153+42.92 - 1168+64.65

LEGEND

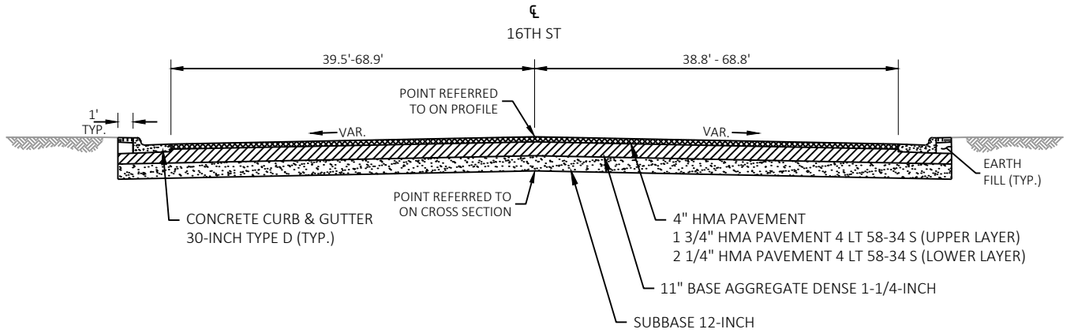
	TOPSOIL, SEED, FERTILIZER, MULCH / EROSION MAT.
1	SEE PLAN AND PROFILE SHEETS FOR SIDEWALK AND CARRIAGE WALK LOCATIONS.
2	SEE PLAN AND PROFILE SHEETS FOR RAISED MEDIAN AND LEFT TURN LANE LOCATIONS.
3	SEE DETAILS FOR CURB RAMP LOCATIONS.
4	SLOPES VARY. SEE PLAN AND PROFILE AND CROSS-SECTION SHEETS.



FINISHED TYPICAL SECTION - STH 13 (ELLIS AVENUE)

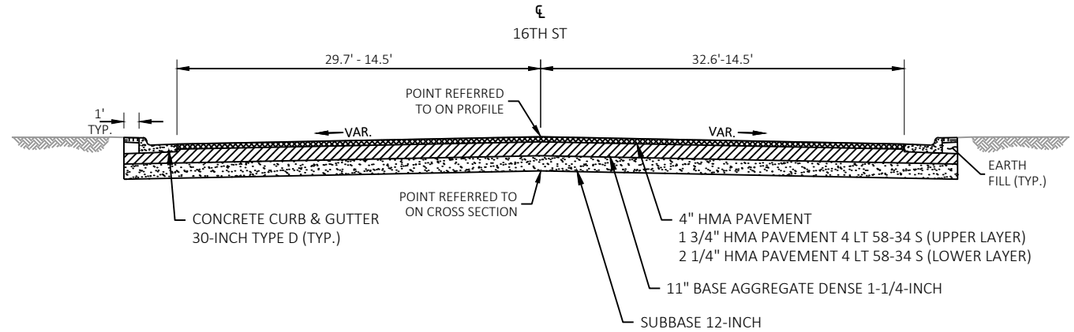
MAIN STREET TO USH 2
STA 1168+64.65 - 1171+97.90

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TYPICAL SECTIONS	SHEET 15	E



FINISHED TYPICAL SECTION - 16TH STREET (WEST)

STA. 9+52.0 - 9+71.0



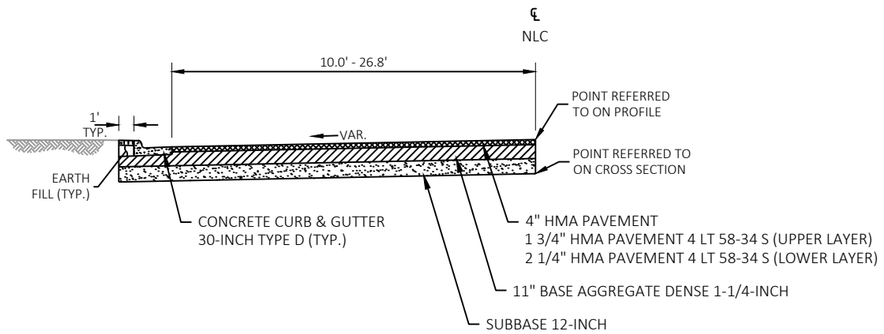
FINISHED TYPICAL SECTION - 16TH STREET (EAST)

STA. 10+26.0 - 10+54.8

LEGEND

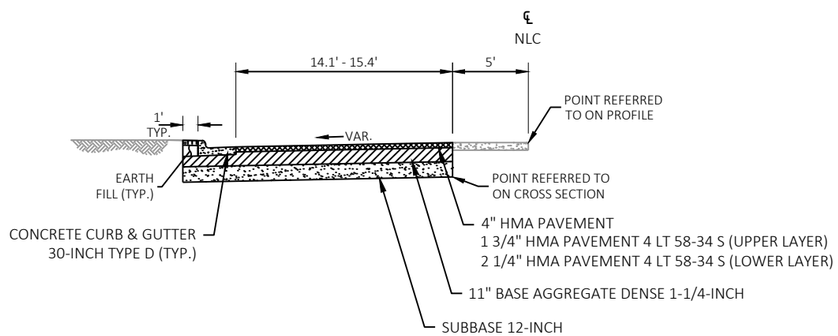
TOPSOIL, SEED, FERTILIZER, MULCH / EROSION MAT.

① SEE PLAN AND PROFILE AND DETAIL SHEETS FOR SIDEWALK LOCATIONS.



FINISHED TYPICAL HALF SECTION - NORTHLAND COLL. ENTRANCE (SOUTH)

STA. 9+51.8 - 9+78.0

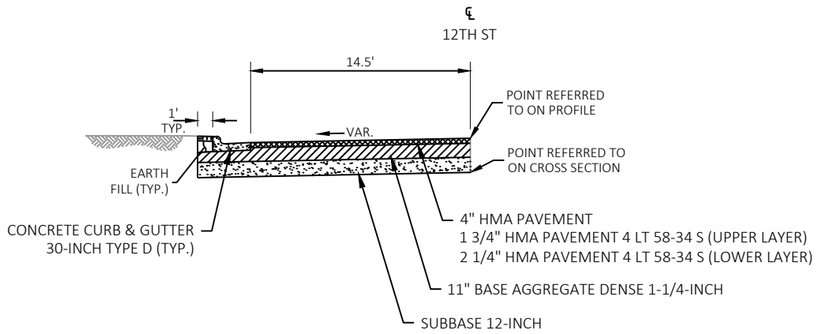


FINISHED TYPICAL HALF SECTION - NORTHLAND COLL. ENTRANCE (NORTH)

STA. 9+39.8 - 9+44.7

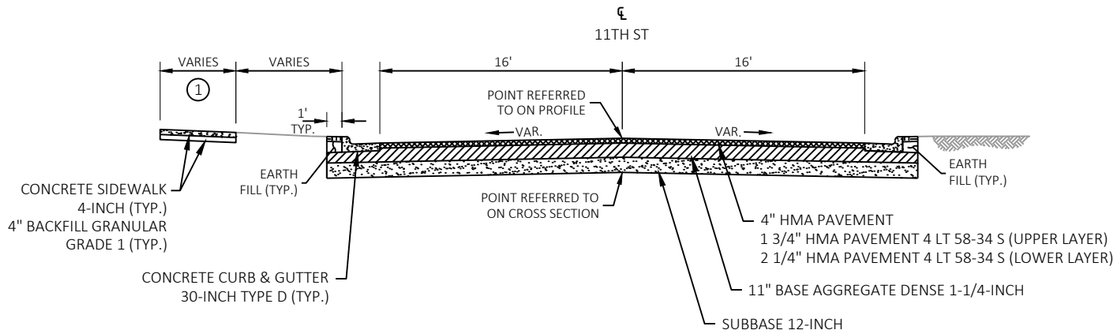
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TYPICAL SECTIONS	SHEET 16	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\020301_TS-13.DWG
LAYOUT NAME - 13-10ft
PLOT DATE : 8/1/2024 9:48 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



FINISHED TYPICAL HALF SECTION - 12TH STREET

STA. 9+00.0 - 9+48.0
STA. 10+52.0 - 11+00.0

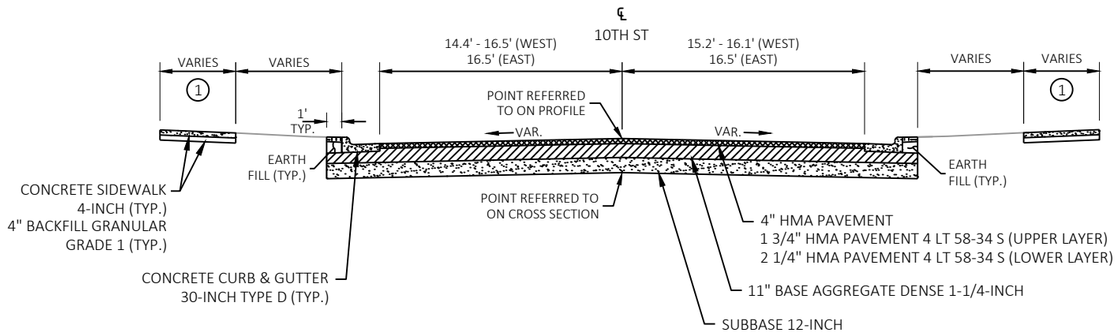


FINISHED TYPICAL SECTION - 11TH STREET

STA. 9+32.5 - 9+47.9
STA. 10+52.0 - 10+80.0

LEGEND

- TOPSOIL, SEED, FERTILIZER, MULCH / EROSION MAT.
- (1) SEE PLAN AND PROFILE AND DETAIL SHEETS FOR SIDEWALK LOCATIONS.

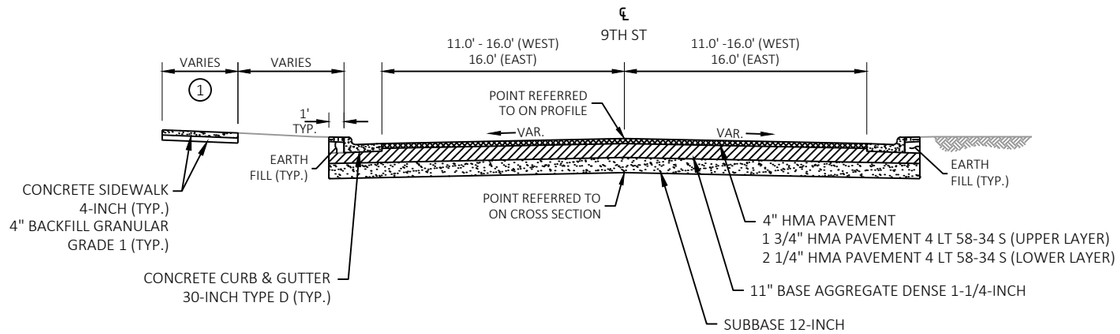


NOTE:

STA. 9+28.1 - 9+49.7 LT & RT - NO CONCRETE SIDEWALK.

FINISHED TYPICAL SECTION - 10TH STREET

STA. 9+28.1 - 9+49.7
STA. 10+52.6 - 10+75.0

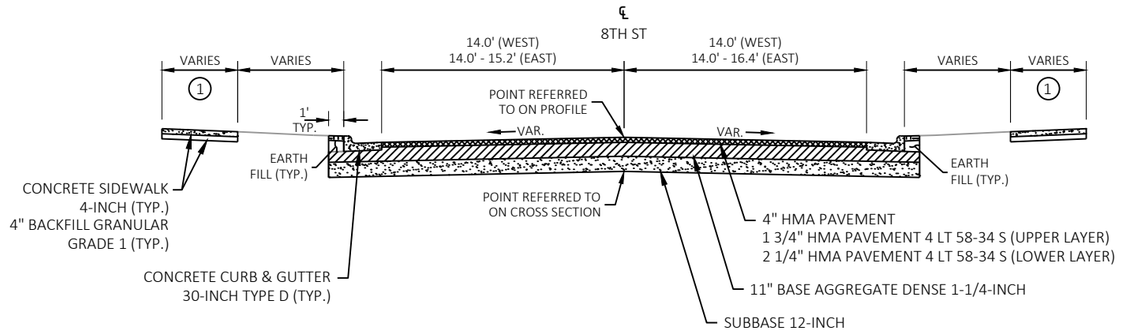


FINISHED TYPICAL SECTION - 9TH STREET

STA. 9+15 - 9+50.3
STA. 10+51.8 - 10+65.5

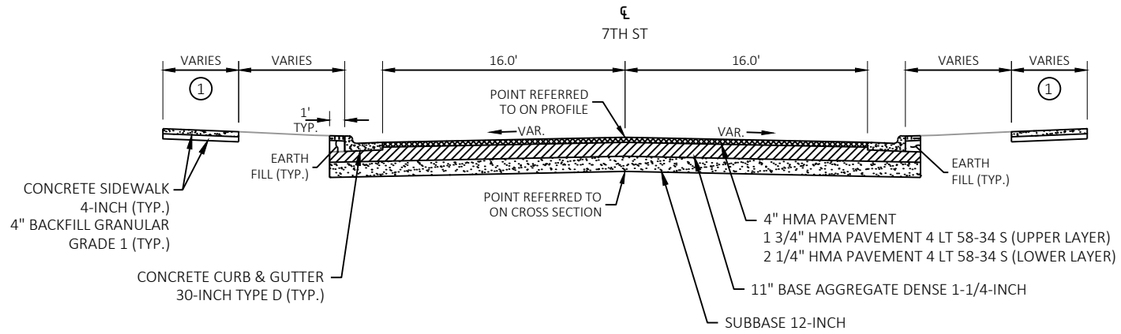
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TYPICAL SECTIONS	SHEET 17	E

2



FINISHED TYPICAL SECTION - 8TH STREET

STA. 9+29.0 - 9+47.0
STA. 10+52.0 - 10+74.0



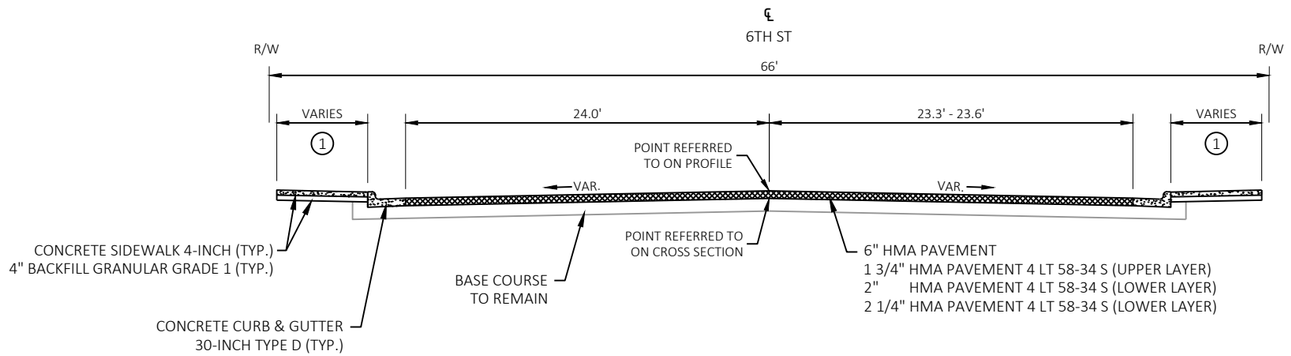
FINISHED TYPICAL SECTION - 7TH STREET

STA. 9+31.2 - 9+47.0
STA. 10+52.0 - 10+71.0

LEGEND

TOPSOIL, SEED, FERTILIZER, MULCH / EROSION MAT.

(1) SEE PLAN AND PROFILE AND DETAIL SHEETS FOR SIDEWALK LOCATIONS.

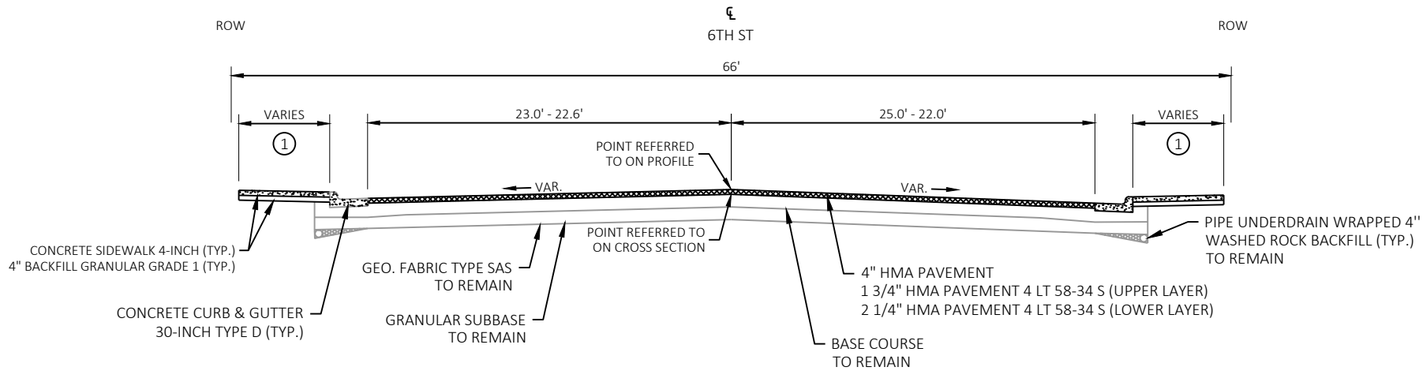


* PREPARE FOUNDATION FOR ASPHALTIC PAVING AT WIDTHS SHOWN.

FINISHED TYPICAL SECTION - 6TH STREET (WEST)

STA. 9+30.6 - 9+39.3*

2



FINISHED TYPICAL SECTION - 6TH STREET (EAST)

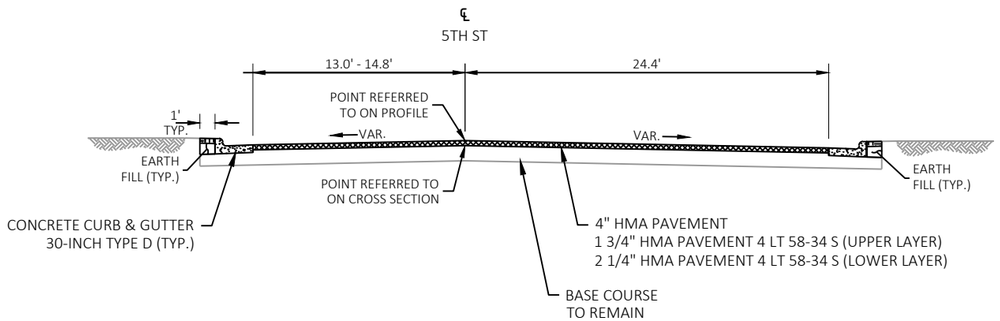
STA. 10+64.6 - 10+81.7*

* PREPARE FOUNDATION FOR ASPHALTIC PAVING AT WIDTHS SHOWN.

LEGEND

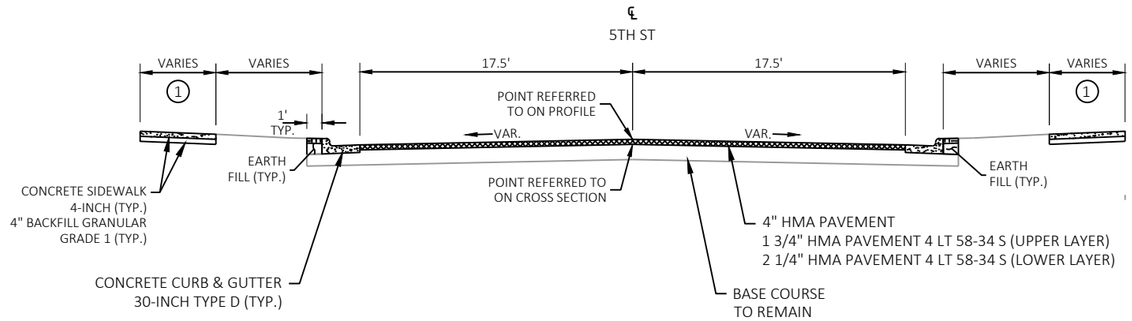
TOPSOIL, SEED, FERTILIZER, MULCH / EROSION MAT.

(1) SEE PLAN AND PROFILE AND DETAIL SHEETS FOR SIDEWALK LOCATIONS.



FINISHED TYPICAL SECTION - 5TH STREET (WEST)

STA. 9+37.5 - 9+49.2*

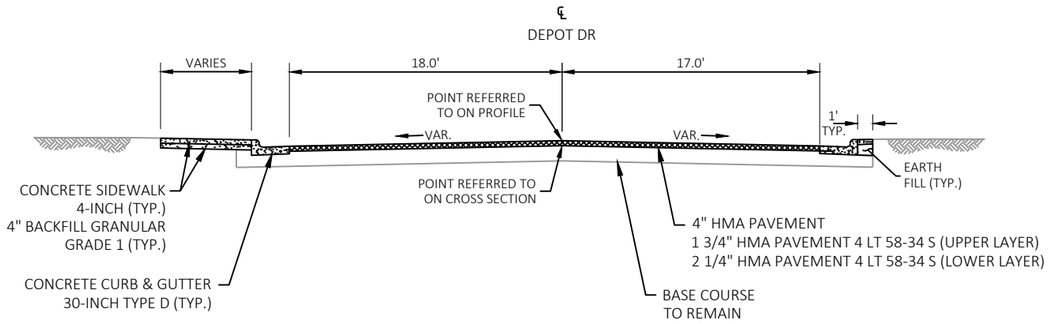


FINISHED TYPICAL SECTION - 5TH STREET (EAST)

STA. 10+51.7 - 10+61.3*

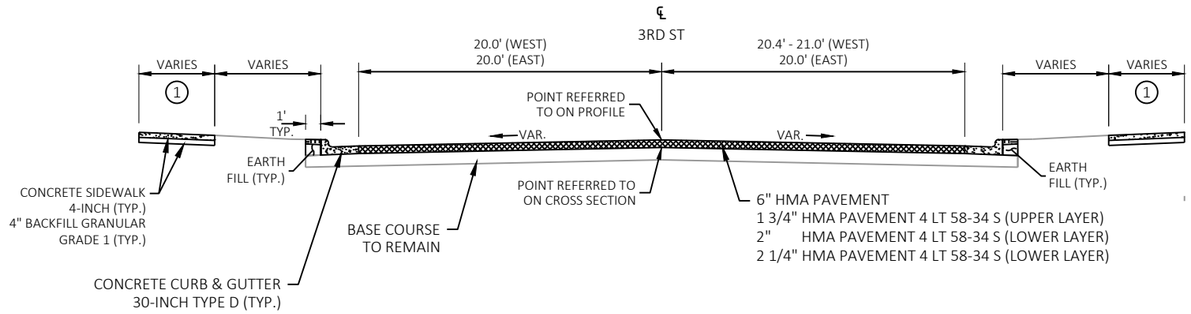
* PREPARE FOUNDATION FOR ASPHALTIC PAVING AT WIDTHS SHOWN.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TYPICAL SECTIONS	SHEET 19	E



FINISHED TYPICAL SECTION - DEPOT DRIVE

STA. 9+28.5 - 9+48.5*



FINISHED TYPICAL SECTION - 3RD STREET

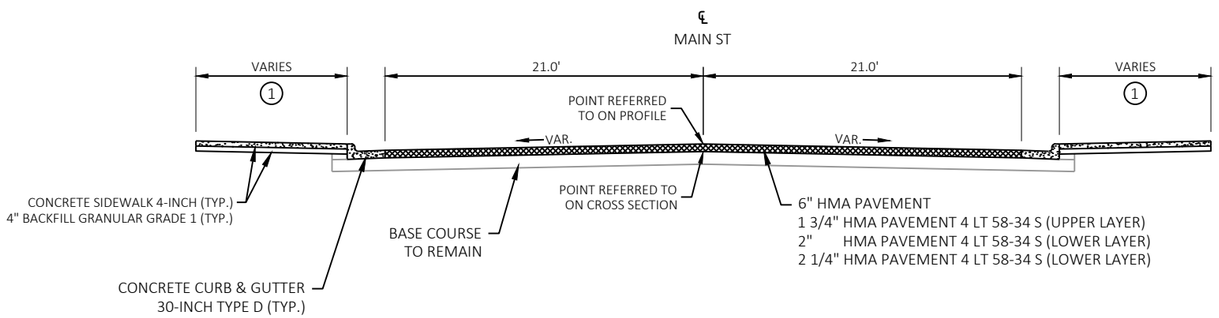
STA. 9+39.0 - 9+48.2*
STA. 10+56.8 - 10+80.0*

* PREPARE FOUNDATION FOR ASPHALTIC PAVING AT WIDTHS SHOWN.

LEGEND

TOPSOIL, SEED, FERTILIZER, MULCH / EROSION MAT.

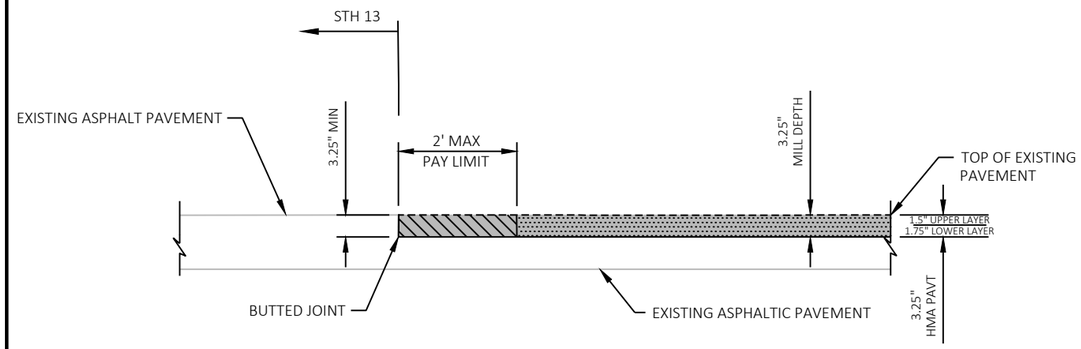
(1) SEE PLAN AND PROFILE AND DETAIL SHEETS FOR SIDEWALK LOCATIONS.



FINISHED TYPICAL SECTION - MAIN STREET

STA. 9+38.4 - 9+48.4*
STA. 10+61.6 - 10+70.3*

* PREPARE FOUNDATION FOR ASPHALTIC PAVING AT WIDTHS SHOWN.



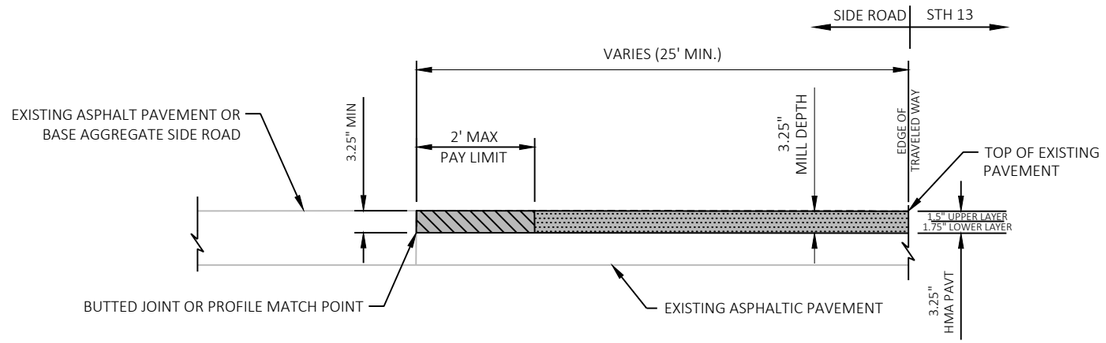
REMOVING ASPHALTIC SURFACE BUTT JOINTS
DO NOT REMOVE MATERIAL UNDER THIS ITEM UNTIL 24 HOURS BEFORE PAVING

REMOVING ASPHALTIC SURFACE MILLING

PROPOSED HMA PAVEMENT OVERLAY

STH 13 BUTT JOINT AND PROFILE MATCH DETAIL

STA 977+96.10



REMOVING ASPHALTIC SURFACE BUTT JOINTS (EXISTING ASPHALTIC SURFACE SIDE ROADS ONLY)
DO NOT REMOVE MATERIAL UNDER THIS ITEM UNTIL 24 HOURS BEFORE PAVING

REMOVING ASPHALTIC SURFACE MILLING

PROPOSED HMA PAVEMENT OVERLAY

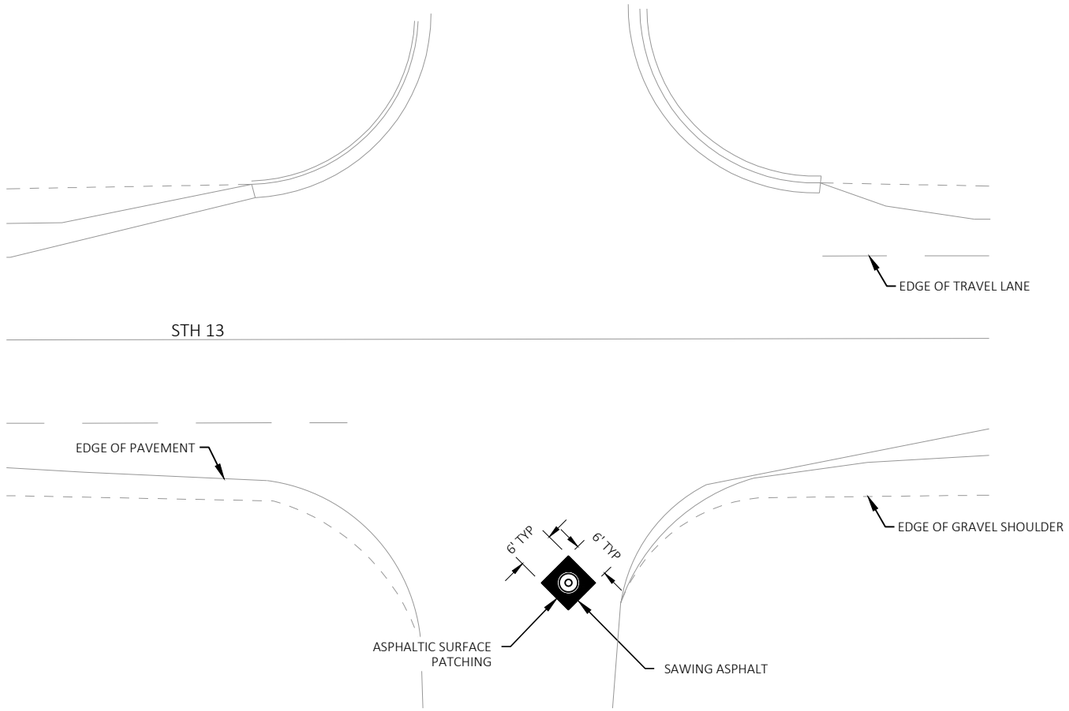
SIDE ROAD BUTT JOINT AND PROFILE MATCH DETAIL

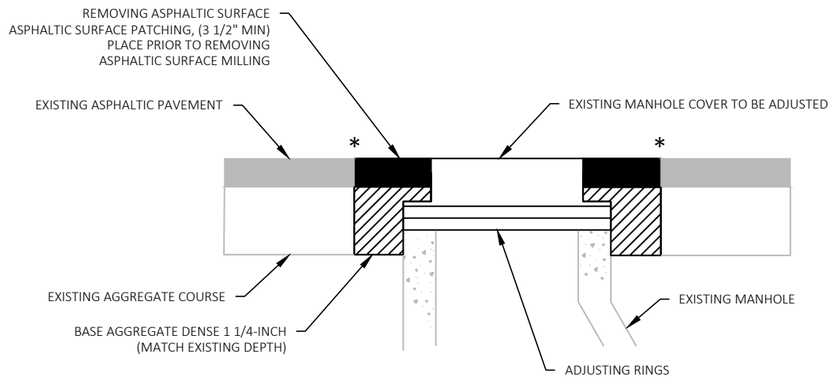
STA. 978+27.0, RT (PEARCE RD)
STA 978+36.5, LT (BUTTERWORTH RD)
STA 1030+98.2, RT (OLD AIRPORT RD)
STA 1041+36.1, RT (SAWMILL RD, MATCH GRAVEL)
STA 1063+24.4, LT (BINSFIELD RD)
STA 1095+44.5, LT (22ND ST)
STA 1095+44.5, RT (22ND ST, MATCH GRAVEL)
STA 1110+09.5, LT (18TH ST, MATCH GRAVEL)
STA 1110+11.8, RT (18TH ST, MATCH GRAVEL)

NOTES

TRANSITION PROFILE TO MATCH EXISTING BASE AGGREGATE SIDE ROADS WITH VARIABLE DEPTH MILLING AS SHOWN. PAYMENT FOR BUTT JOINTS WILL NOT BE PAID AT BASE AGGREGATE SURFACE SIDE ROADS.

SEE SECTION 5 PLAN SHEETS FOR SIDE ROAD LOCATIONS, MILLING AND HMA LIMITS.





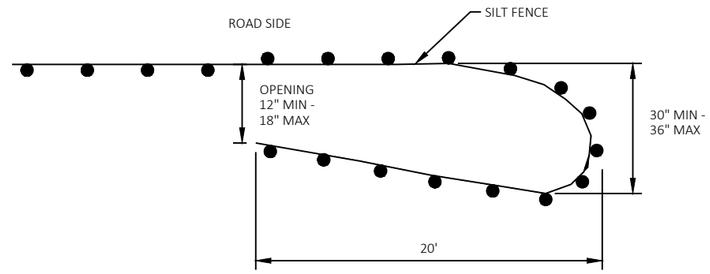
SECTION VIEW

LEGEND

* SAWCUT REQ'D

SALVAGING MANHOLE COVERS DETAIL

STA 1095+49, 37' RT



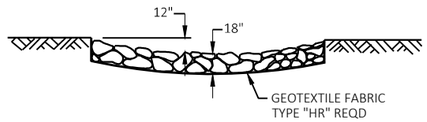
PLAN VIEW

TEMPORARY SMALL ANIMAL TURN-AROUND DETAIL

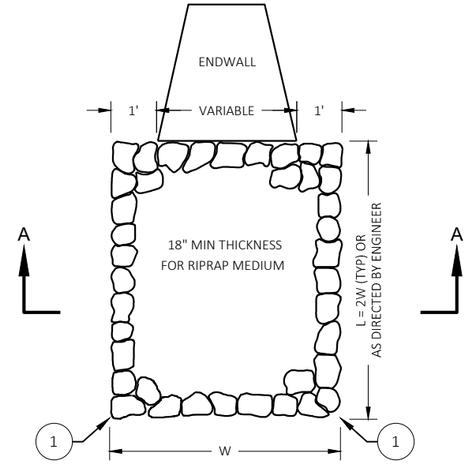
NOTES

THE PURPOSE OF THE ANIMAL TURN-AROUNDS ARE TO REDIRECT TURTLES AWAY FROM THE CONSTRUCTION ZONE. DESIGN SHOULD INCLUDE TRENCH-IN SEDIMENT FENCING AND FENCING SUPPORTS ON THE UPSLOPE SIDE OF THE FENCE. SILT FENCE AND POSTS FOR THE TURN-AROUND SHALL BE ON THE OUTSIDE OF THE TURN-AROUND AND TRENCHED IN ACCORDING TO SILT FENCE REQUIREMENTS.

SEE EROSION CONTROL PLANS FOR LOCATIONS.



SECTION A-A



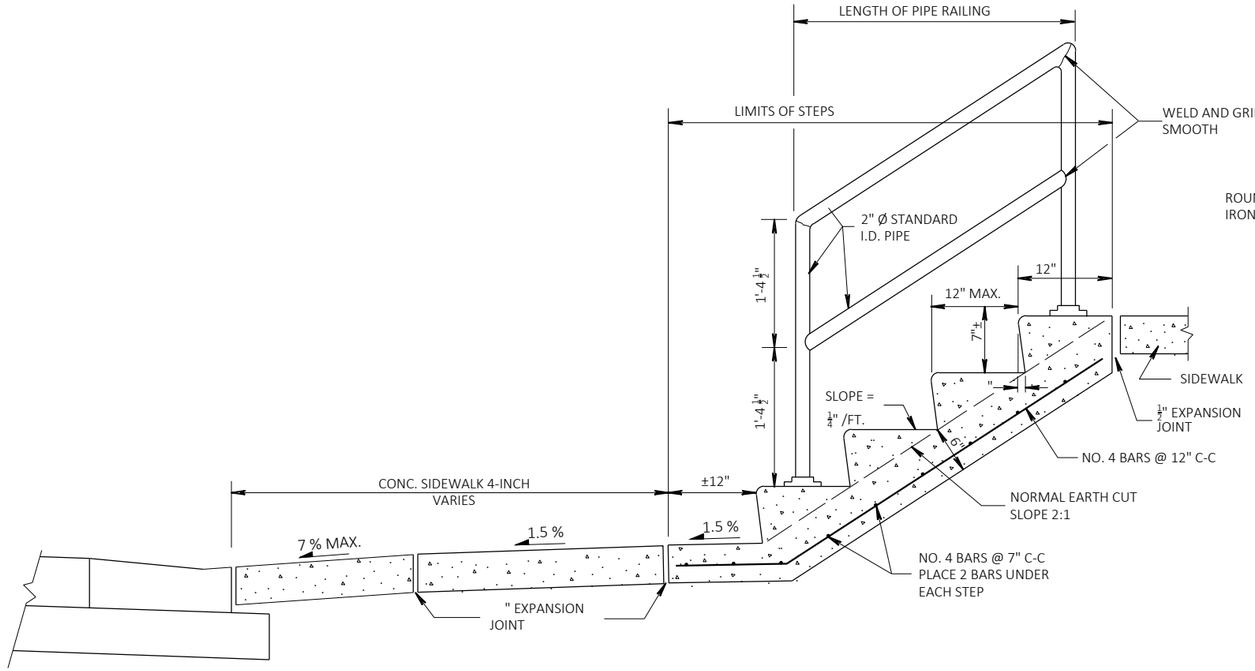
NOTES:

(1) REFER TO PLANS FOR STATION OFFSET LOCATION.

RIPRAP MEDIUM TREATMENT AT CULVERTS

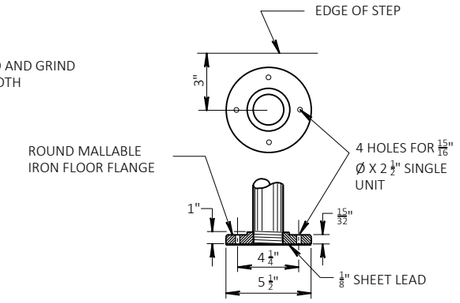
SEE EROSION CONTROL PLANS FOR LOCATIONS.

2



CONCRETE STEPS DETAIL

STA 1124+25 LT
STA 1124+25 RT
STA 1139+75 RT



FLANGE DETAIL

NOTE:

THE EXACT LOCATION, WIDTHS, & NUMBER OF STEPS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

STEEL REINFORCEMENT AND PIPE RAILING NOT REQUIRED ON STEPS WITH 2 RISERS OR LESS.

MINIMUM WIDTH OF STEP EQUALS 4 FEET.

RAILING TO BE PLACED ON LEFT ASCENDING SIDE OF STEPS ONLY.

2

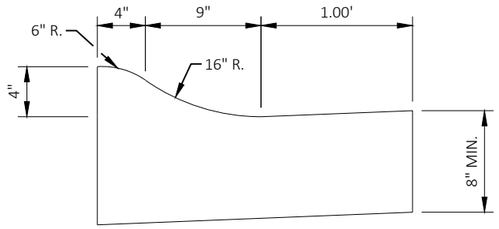
NOTES:

UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

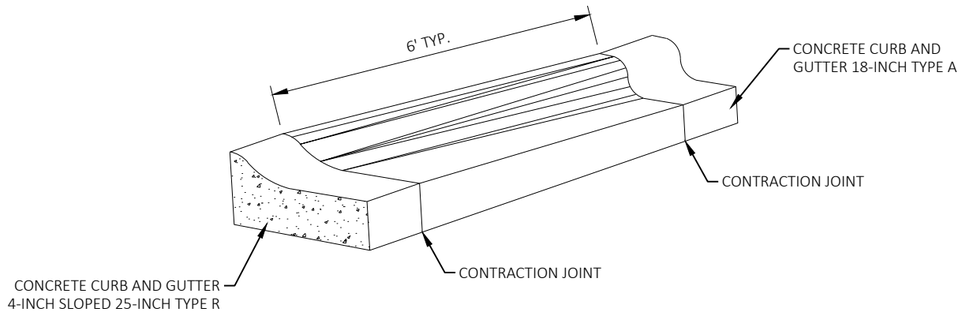
USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

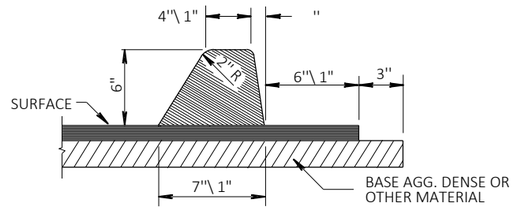
TIE BARS ARE REQUIRED. PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.



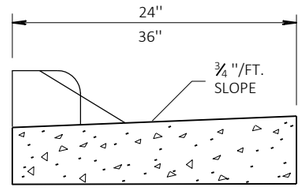
CONCRETE CURB AND GUTTER 4-INCH SLOPED 25-INCH TYPE R DETAIL



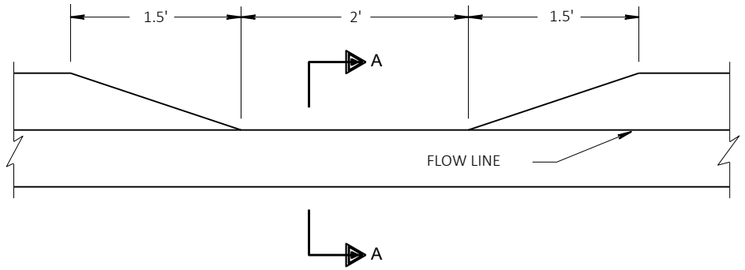
CONCRETE CURB AND GUTTER 4-INCH SLOPED 25-INCH TYPE R TRANSITION TO CONCRETE CURB AND GUTTER 18-INCH TYPE A DETAIL



ASPHALTIC CURB DETAIL



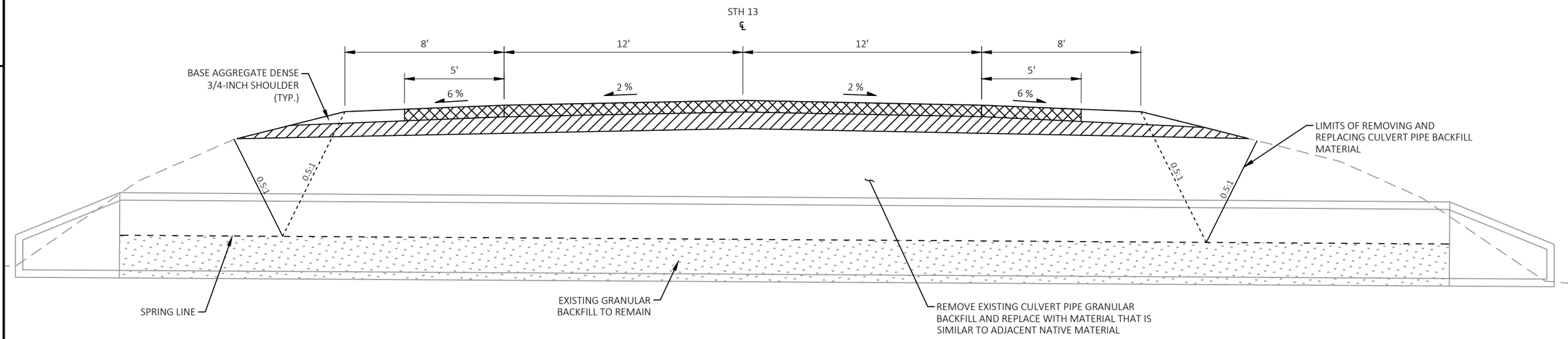
SECTION A-A

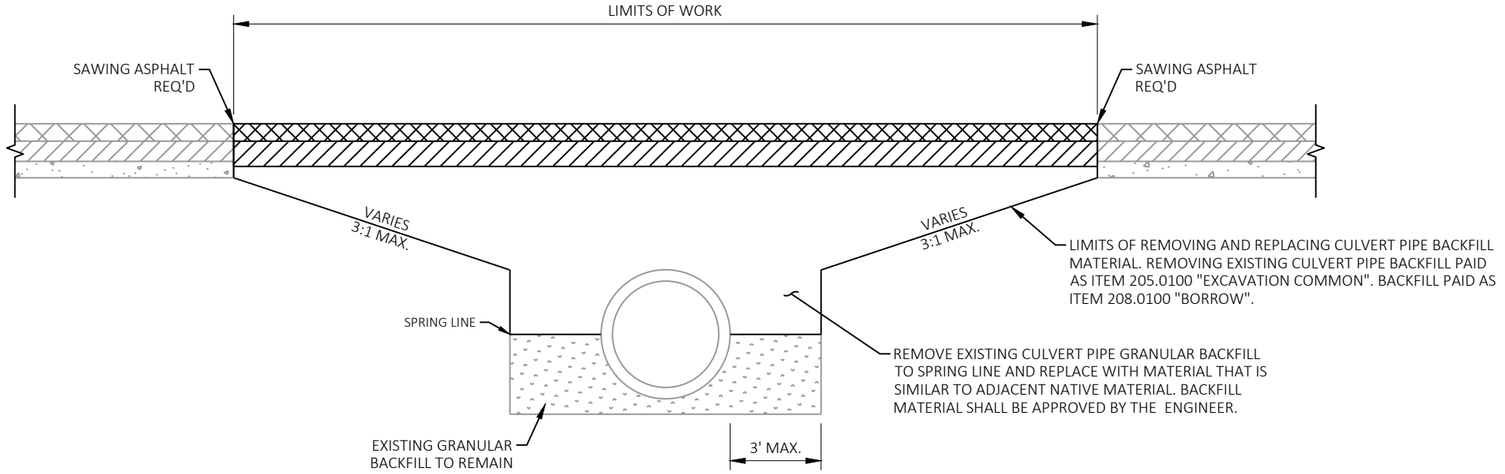


DETAIL OF ASPHALTIC CURB HEAD DEPRESSION FOR DRAINAGE

STA 1125+17 RT (STAGE 1A)

2





LEGEND

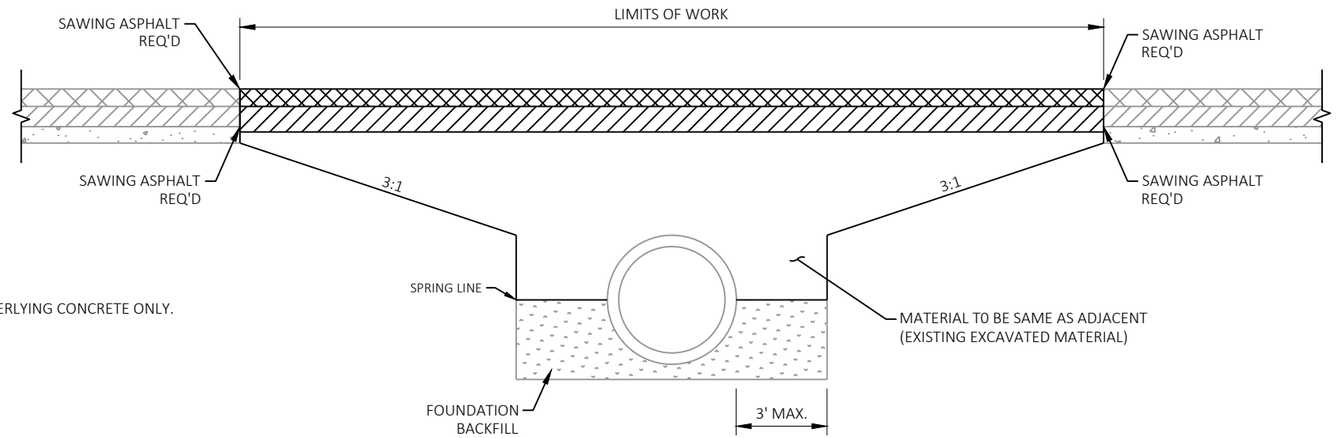
- 7" ASPHALTIC SURFACE
- 10" BASE AGGREGATE DENSE 1 1/4-INCH
- EXISTING 6.75" HMA PAVEMENT
- EXISTING 8" CRUSHED AGG. BASE COURSE
- EXISTING 9"-6.5"-9" PCC PAVEMENT

DETAIL FOR REMOVE AND REPLACE CULVERT PIPE BACKFILL MATERIAL

STA 981+57* - 981+83*
STA 1000+38* - 1000+65*
STA 1030+48* - 1030+65*
STA 1069+60* - 1069+75*
STA 1086+77* - 1087+26*

* LOCATION OF SAW CUT

2



NOTE: SAWING ASPHALT OUTSIDE LIMITS OF UNDERLYING CONCRETE ONLY.

LEGEND

- 7" ASPHALTIC SURFACE
- 10" BASE AGGREGATE DENSE 1 1/4-INCH
- EXISTING 6.75" HMA PAVEMENT
- EXISTING 8" CRUSHED AGG. BASE COURSE
- EXISTING 9"-6.5"-9" PCC PAVEMENT

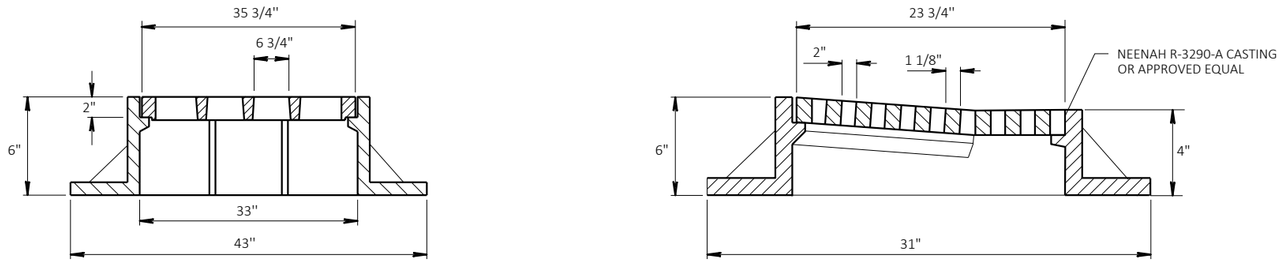
CULVERT PIPE INSTALLATION DETAIL

STA 1009+12
STA 1009+52
STA 1060+58

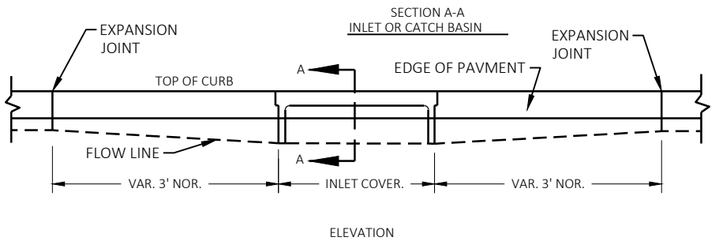
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CONSTRUCTION DETAILS	SHEET 26	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\021002_CD-CULV&SS.DWG
LAYOUT NAME - 13_cd-02
PLOT DATE : 5/7/2024 4:04 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:5 FT

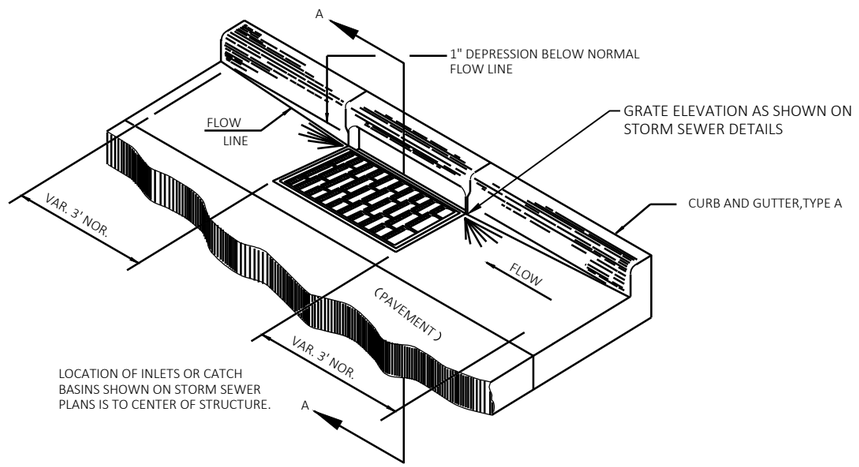
2



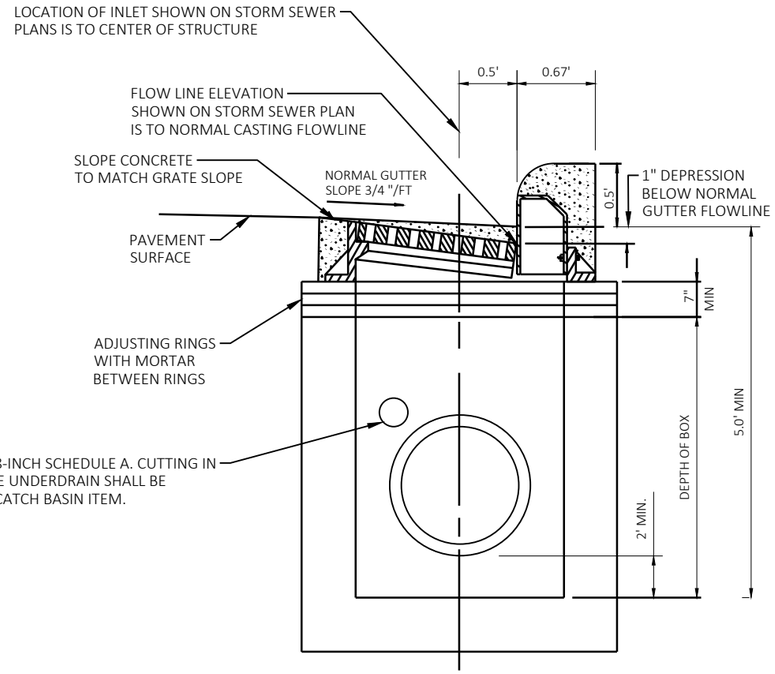
INLET COVERS TYPE H-D DETAIL



ELEVATION

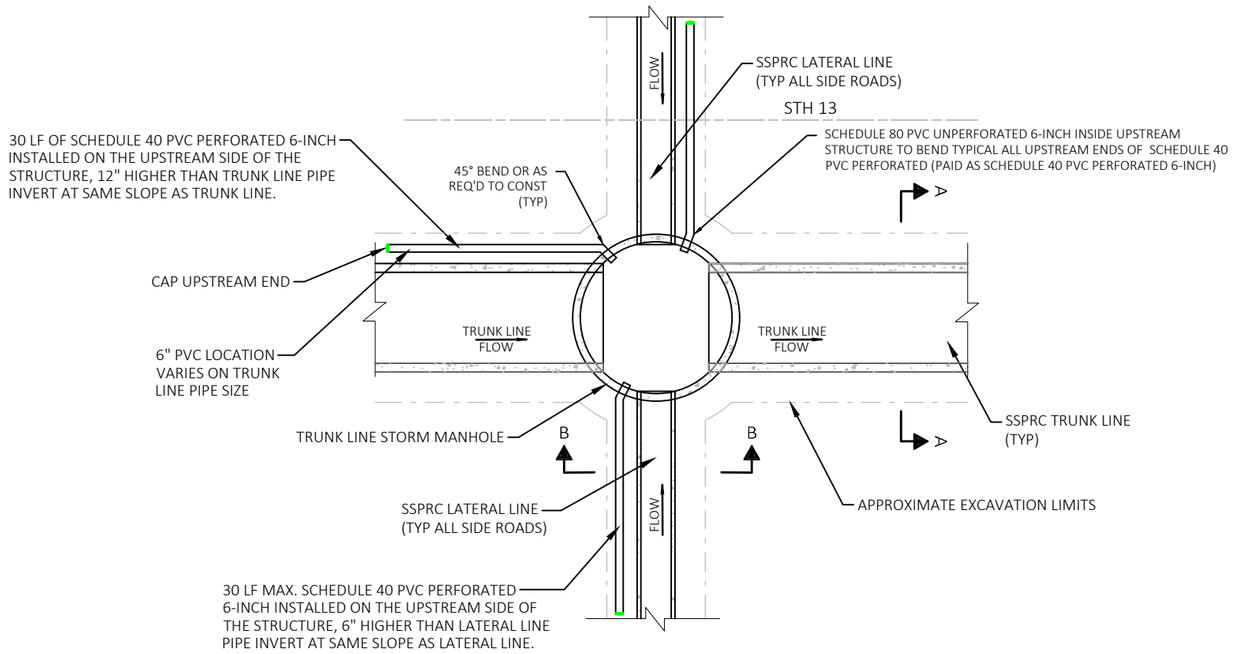


LOCATION OF INLETS OR CATCH
BASINS SHOWN ON STORM SEWER
PLANS IS TO CENTER OF STRUCTURE.



DETAIL OF CURB AND GUTTER AT INLETS OR CATCH BASINS

2



PLAN VIEW

NOTES:

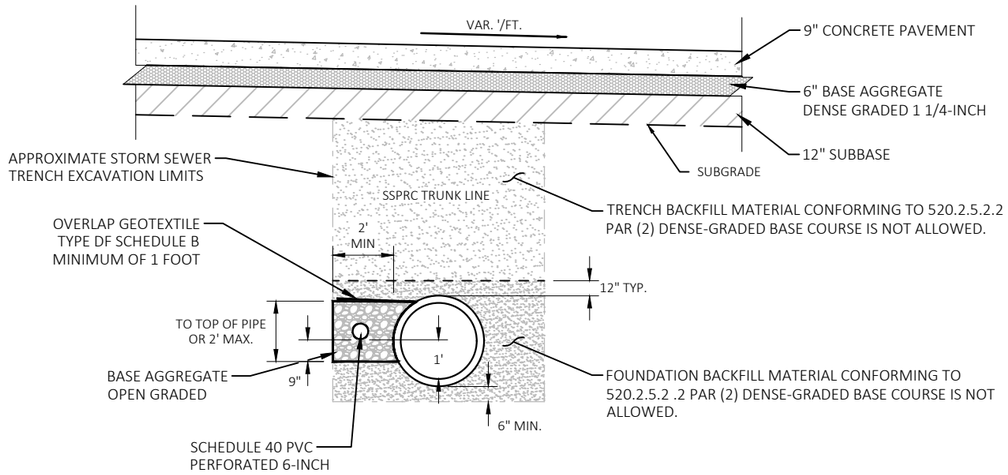
SCHEDULE 40 PVC PERFORATED 6-INCH INVERT ELEVATION VARIES ON TRUNK LINE PIPE SIZE.

SCHEDULE 40 PVC PERFORATED 6-INCH INVERT ELEVATION VARIES ON LATERAL LINE PIPE SIZE.

SEE SECTION 3, MISCELLANEOUS QUANTITIES FOR SCHEDULE 40 PVC PERFORATED 6-INCH LOCATIONS.

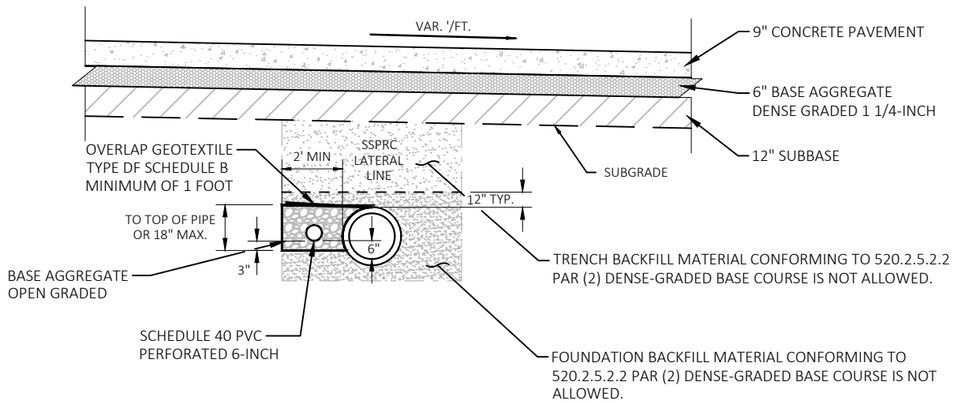
FURNISH SCHEDULE 40 PVC PERFORATED 6-INCH WITH 1/2-INCH DIAMETER PERFORATIONS 12" CENTER TO CENTER LOCATED AT THE CENTERLINE (3" ABOVE INVERT) OF THE PVC PIPE.

SCHEDULE 40 PVC PERFORATED 6-INCH BID ITEM TO BE MEASURED BY THE LINEAL FOOT FROM CENTER OF STRUCTURE TO END OF PVC PIPE. PAYMENT FOR SCHEDULE 40 PVC PERFORATED 6-INCH IS FULL COMPENSATION FOR PROVIDING ALL MATERIALS, INCLUDING FITTINGS AND PLUGS, CONNECTIONS REQUIRED, FOR EXCAVATING, FOR PROVIDING GRANULAR BACKFILL MATERIAL, GEOTEXTILE TYPE DF SCHEDULE B, COMPACTING MATERIAL, AND BASE AGGREGATE OPEN GRADED.



SECTION A-A

TYPICAL TRUNK LINE INSTALLATIONS



SECTION B-B

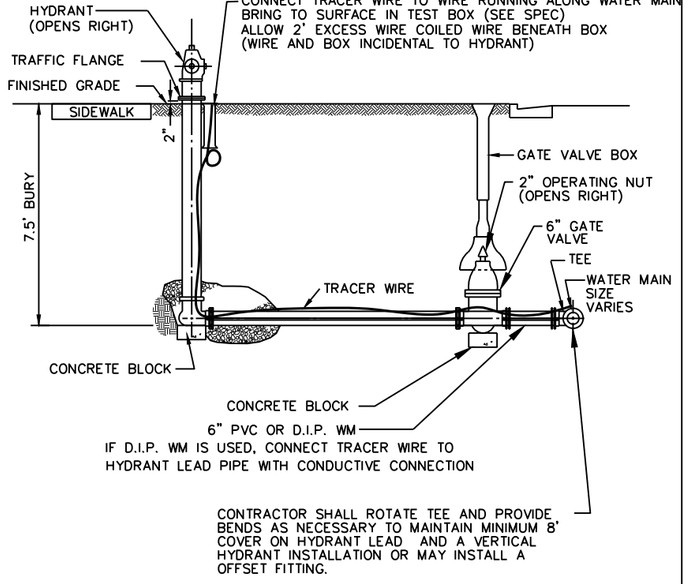
TYPICAL LATERAL LINE INSTALLATIONS

STORM SEWER TRENCH DRAIN PLAN VIEW

2

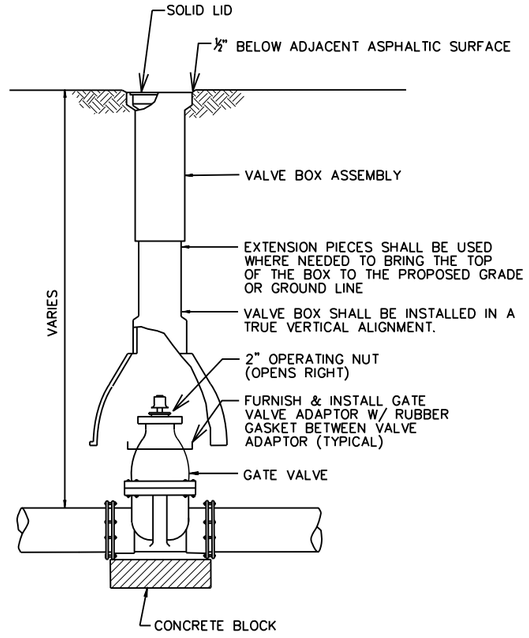
ALL JOINTS SHALL BE MECHANICAL TYPE WITH RETAINER GLANDS

NOTE: HYDRANT DRAIN PORTS SHALL BE PLUGGED.

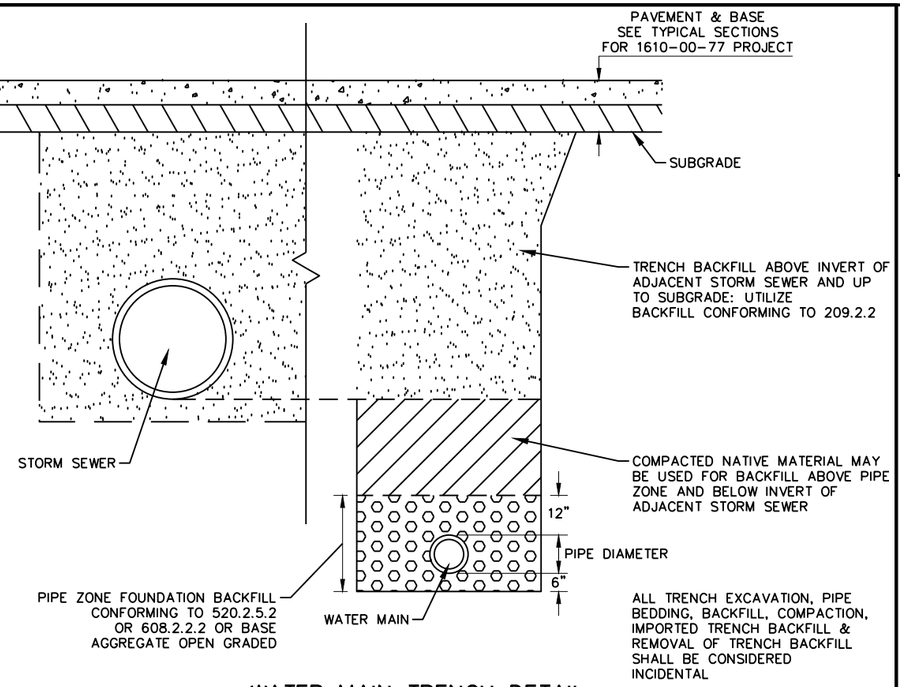


NOTE: LOCATE HYDRANT IN FRONT OF SIDEWALK WITH VALVE BEHIND CURB WHERE POSSIBLE.

FIRE HYDRANT



GATE VALVE & BOX

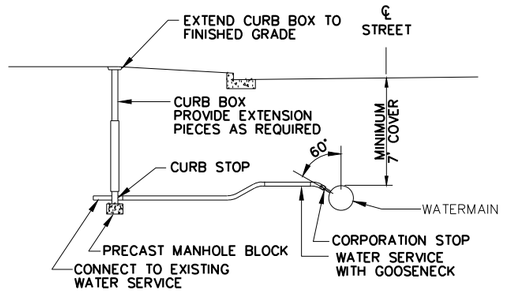


WATER MAIN TRENCH DETAIL

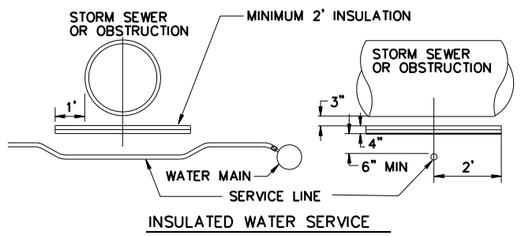
11TH STREET TO 6TH STREET, STA 1135+90 TO 1153+43

2

NOTE: SERVICES TO EAST WILL REQUIRE BORING OF WATER LATERAL PIPES UNDER NORTHBOUND LANE WHEN REQUIRED BY PROJECT TRAFFIC STAGING

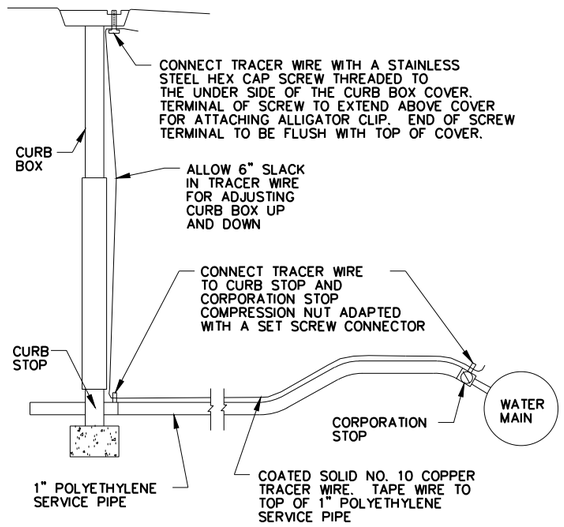


WATER SERVICE CONNECTION

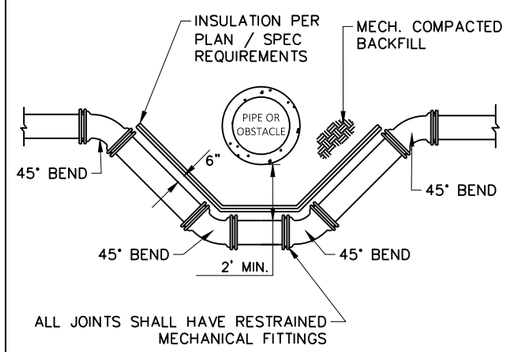


INSULATED WATER SERVICE

WATER SERVICE CONNECTION

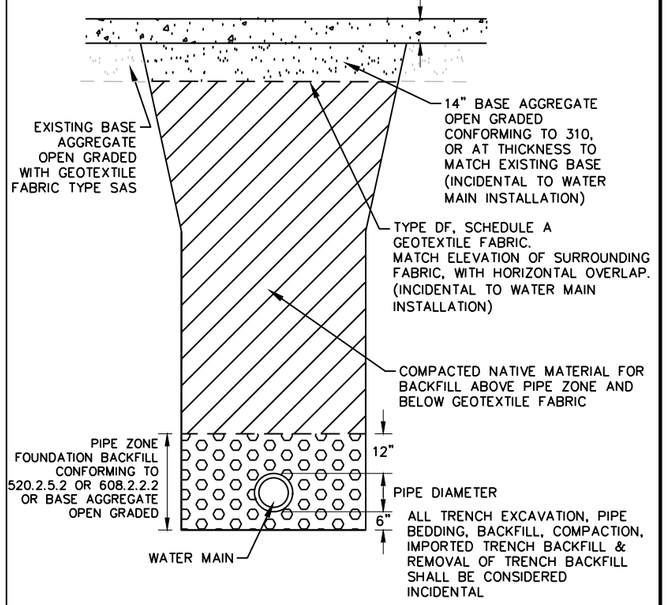


TRACER WIRE DETAIL FOR PE WATER SERVICE



LOWER WATER MAIN

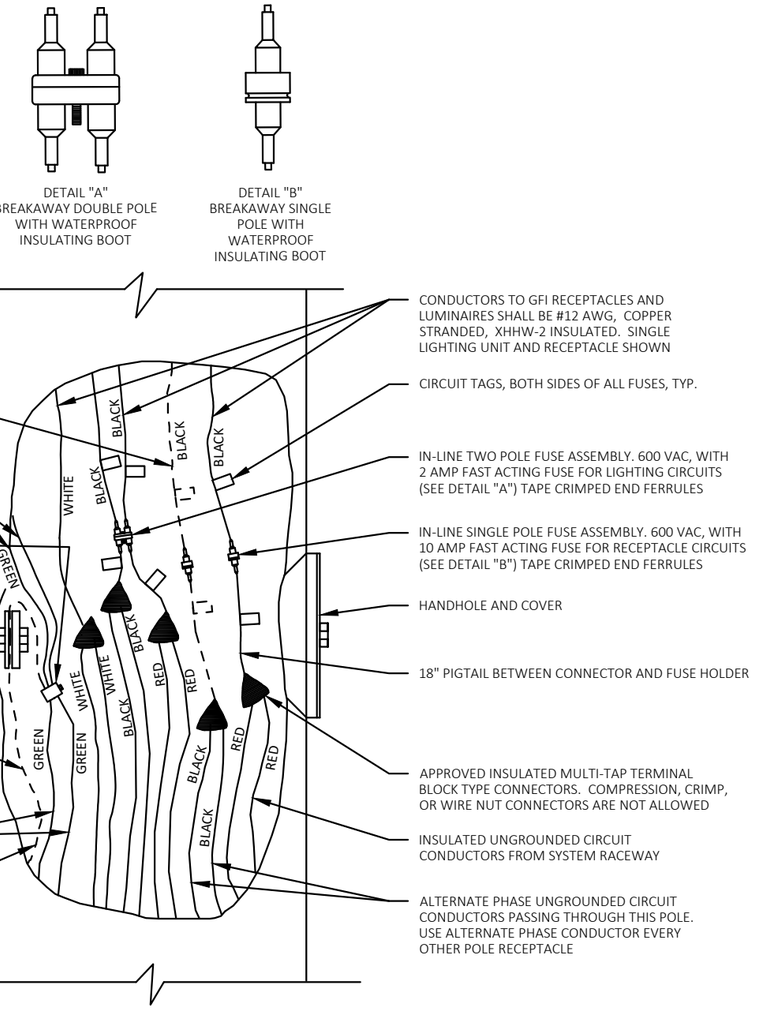
WATER MAIN EXCAVATION SHALL PROTECT AND MAINTAIN ANY ADJACENT DRAIN TILE. REPLACE DRAIN TILE IF REMOVED OR DAMAGED DURING CONSTRUCTION (INCIDENTAL)



WATER MAIN TRENCH DETAIL

6TH ST INTERSECTION & 3RD STREET TO US 2, STA 1153+43 TO 1171+50

2



2 WIRE - 240 VAC (UNGROUNDED CONDUCTOR)
FOR LIGHTING
AND
3 WIRE - 120 VAC (UNGROUNDED CONDUCTOR)
WITH GROUNDED CONDUCTOR AND EQUIPMENT
GROUNDING CONDUCTOR FOR GFI RECEPTACLES

POLE WIRING DETAIL

2

GENERAL NOTES:

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER EXCEPT WHEN EXCAVATING WITHIN 18-INCHES OF UNDERGROUND UTILITIES. WHEN EXCAVATING WITHIN 18-INCHES OF UTILITIES THE BASE SHALL BE DUG BY HAND.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 2 INCHES.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE PLUGGED IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN PLUGGED.

END BELLS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 6 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) ANCHOR RODS BY POLE SUPPLIER. TWO GALVANIZED HEX NUTS & WASHERS PER ANCHOR BOLT.

(3) (6) NO. 4 X 4'-8" BAR STEEL REINFORCEMENT.

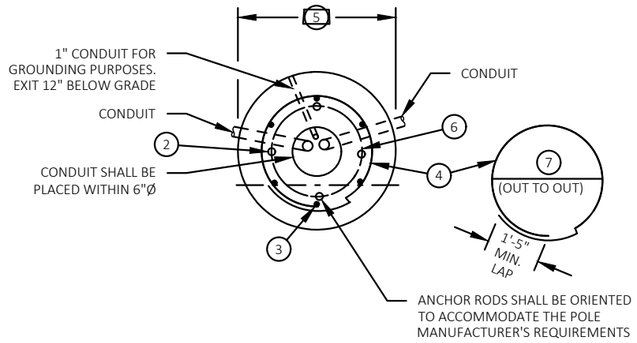
(4) (5) NO. 4 X 6'-2" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

(5) 24".

(6) BOLT CIRCLE AND ORIENTATION PER POLE MANUFACTURER'S REQUIREMENTS.

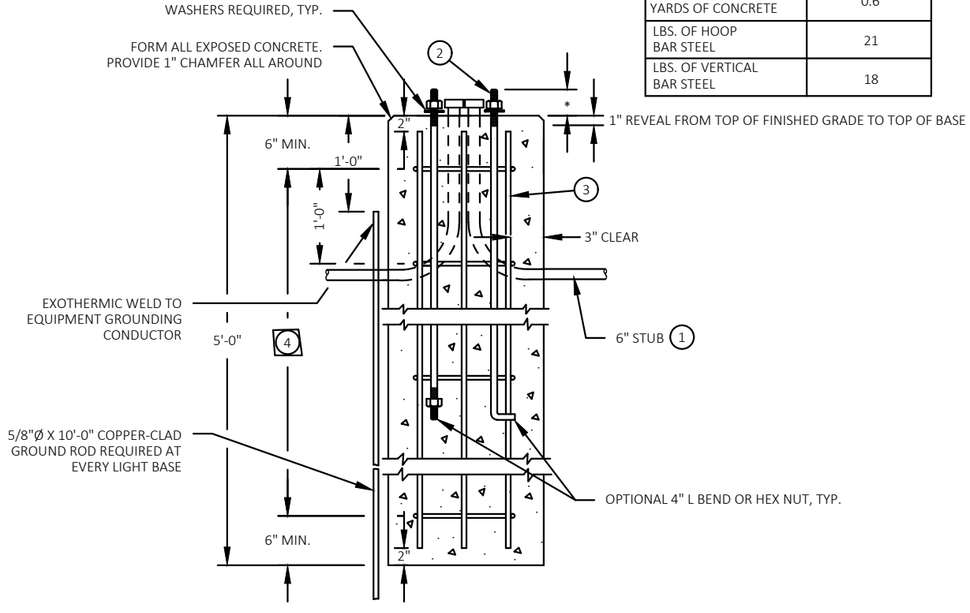
(7) DIAMETER SIZE TO CONTAIN ANCHOR BOLTS.

BOLT CIRCLE SHALL BE PERFECTLY CENTERED IN CONCRETE BASE. ANY BASE THAT FAILS TO MEET THIS REQUIREMENT SHALL BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.



*ANCHOR ROD PROJECTION SHALL BE PER MANUFACTURERS REQUIREMENTS.

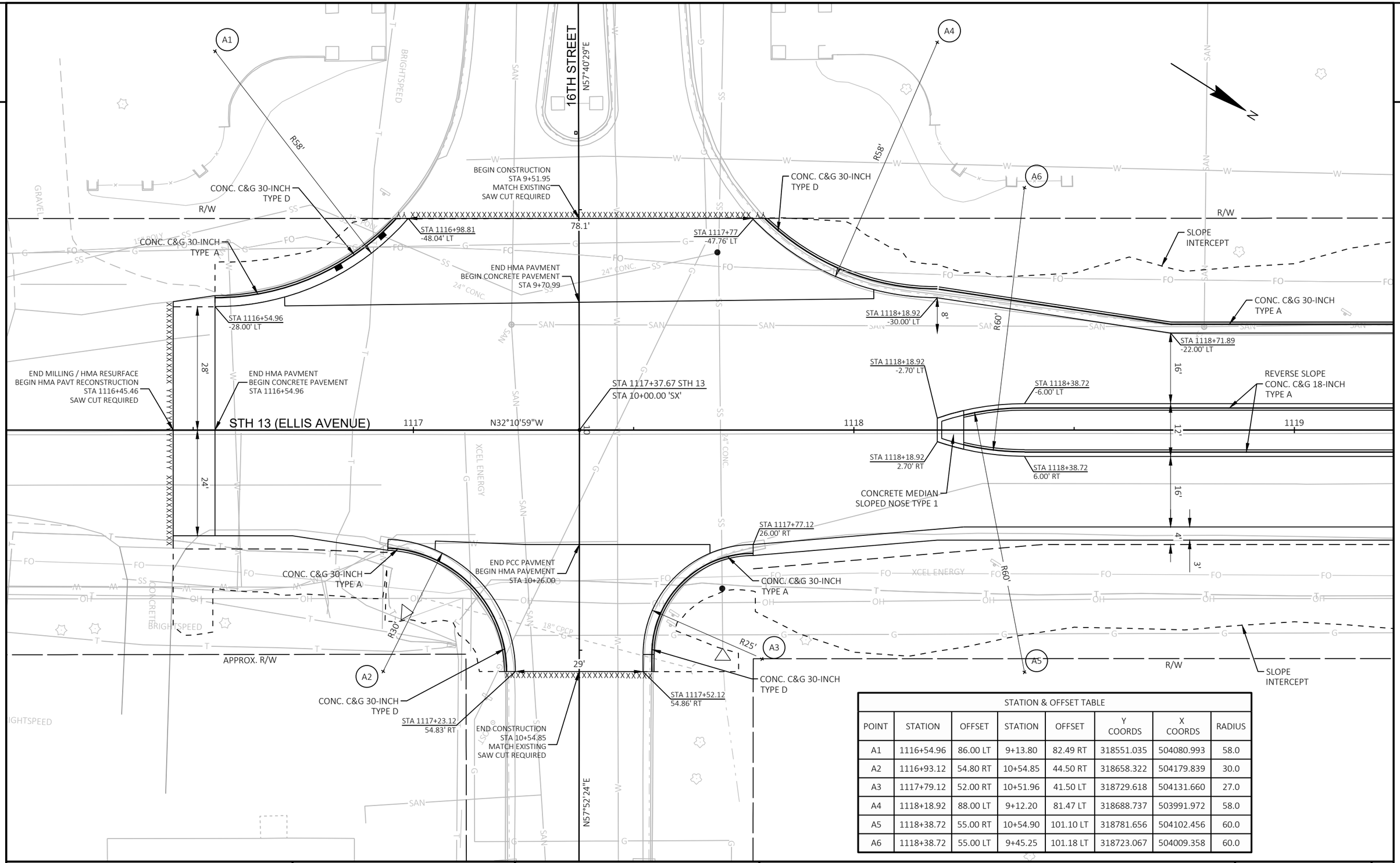
QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	0.6
LBS. OF HOOP BAR STEEL	21
LBS. OF VERTICAL BAR STEEL	18



CONCRETE BASE TYPE SPECIAL DETAILS

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CONSTRUCTION DETAIL	SHEET 31 E

2



STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
A1	1116+54.96	86.00 LT	9+13.80	82.49 RT	318551.035	504080.993	58.0
A2	1116+93.12	54.80 RT	10+54.85	44.50 RT	318658.322	504179.839	30.0
A3	1117+79.12	52.00 RT	10+51.96	41.50 LT	318729.618	504131.660	27.0
A4	1118+18.92	88.00 LT	9+12.20	81.47 LT	318688.737	503991.972	58.0
A5	1118+38.72	55.00 RT	10+54.90	101.10 LT	318781.656	504102.456	60.0
A6	1118+38.72	55.00 LT	9+45.25	101.18 LT	318723.067	504009.358	60.0

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	INTERSECTION DETAILS	SHEET 32	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\021101_ID-16THTO13TH.DWG
LAYOUT NAME - 13_id-01-16th
PLOT DATE : 7/27/2024 7:56 AM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 42

2

NORTHLAND COLLEGE (SOUTH ENTRANCE)

BEGIN CONSTRUCTION
STA 9+51.82
MATCH EXISTING
SAW CUT REQUIRED

SIDEWALK REMOVED BY OTHERS

CONCRETE STEPS

B5 B1 B2 B4

STA 1121+90.75
-49.00' LT

STA 1122+10.80
-49.00' LT

R/W

20.1'

7'

R27'

R60'

SLOPE INTERCEPT

CONC. C&G
30-INCH TYPE D

CONC. C&G
30-INCH TYPE A

CURB RAMP
TYPE 4B1
(RADIAL)

CONCRETE SIDEWALK 4-INCH

7'

6.5'

16'

12'

16'

STA 1121+63.77
-22.00' LT

END HMA PAVMENT
BEGIN CONCRETE PAVEMENT
STA 9+78.00

STA 1122+37.82
-22.00' LT

CONC. C&G 30-INCH
TYPE A

CURB RAMP
TYPE 3

REVERSE SLOPE
CONC. C&G 18-INCH
TYPE A

STA 1121+43.98
-6.00' LT

STA 1121+63.77
-2.70' LT

STA 1122+00.80 STH 13
STA 10+00.00 'NS'

N57°49'01"E

STA 1122+37.82
-2.70' LT

STA 1122+57.62
-6.00' LT

REVERSE SLOPE
CONC. C&G 18-INCH
TYPE A

CURB RAMP
TYPE 5

1122

N32°10'59"W

1123

STH 13 (ELLIS AVENUE)

1124

STA 1121+63.77
2.70' RT

STA 1121+43.98
6.00' RT

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

STA 1122+37.82
2.70' RT

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

STA 1122+57.62
6.00' RT

CONC. C&G 30-INCH
TYPE A

CURB RAMP
TYPE 3

R60'

R60'

SLOPE
INTERCEPT

CONCRETE STEPS

B6

R/W

B3

SIDEWALK REMOVED
BY OTHERS

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
B1	1121+63.77	49.00 LT	9+51.00	37.02 RT	319001.373	503841.304	27.0
B2	1122+37.82	49.00 LT	9+51.00	37.02 LT	319064.045	503801.863	22.5
B3	1122+57.62	55.00 RT	0+00.00	0.00	319136.192	503879.340	60.0
B4	1122+57.62	55.00 LT	9+45.00	56.82 LT	319077.603	503786.241	60.0
B5	1121+43.98	55.00 LT	9+45.00	56.82 RT	318981.423	503846.769	60.0
B6	1121+43.98	55.00 RT	0+00.00	0.00	319040.012	503939.868	60.0

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	INTERSECTION DETAILS	SHEET 33	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\021101_ID-16THTO13TH.DWG
LAYOUT NAME - 13_id-02-NLCS
PLOT DATE : 7/27/2024 7:57 AM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 42

2

2

R/W

R/W

R/W

SLOPE
INTERCEPT

STA 1124+86.38
-35.50' LT

STA 1125+26.38
-30.51' LT

STA 1124+93.97
-27.50' LT

STA 1127+62.30
-30.50' LT

STA 1127+78.46
-27.55' LT

7'

6'

8.5'

CONCRETE SIDEWALK 4-INCH

CONC. C&G 30-INCH
TYPE A

CONC.
TYPE A

REVERSE SLOPE
CONC. C&G 18-INCH
TYPE A

16'

12'

16'

1125

1126

STH 13 (ELLIS AVENUE)
N32°10'59"W

1127

1128

CONC. C&G 30-INCH
TYPE A

SLOPE
INTERCEPT

XCEL ENERGY

NORTHLAND COLLEGE

BRIGHTSPEED

NORVADO

XCEL ENERGY

R/W

R/W

R/W

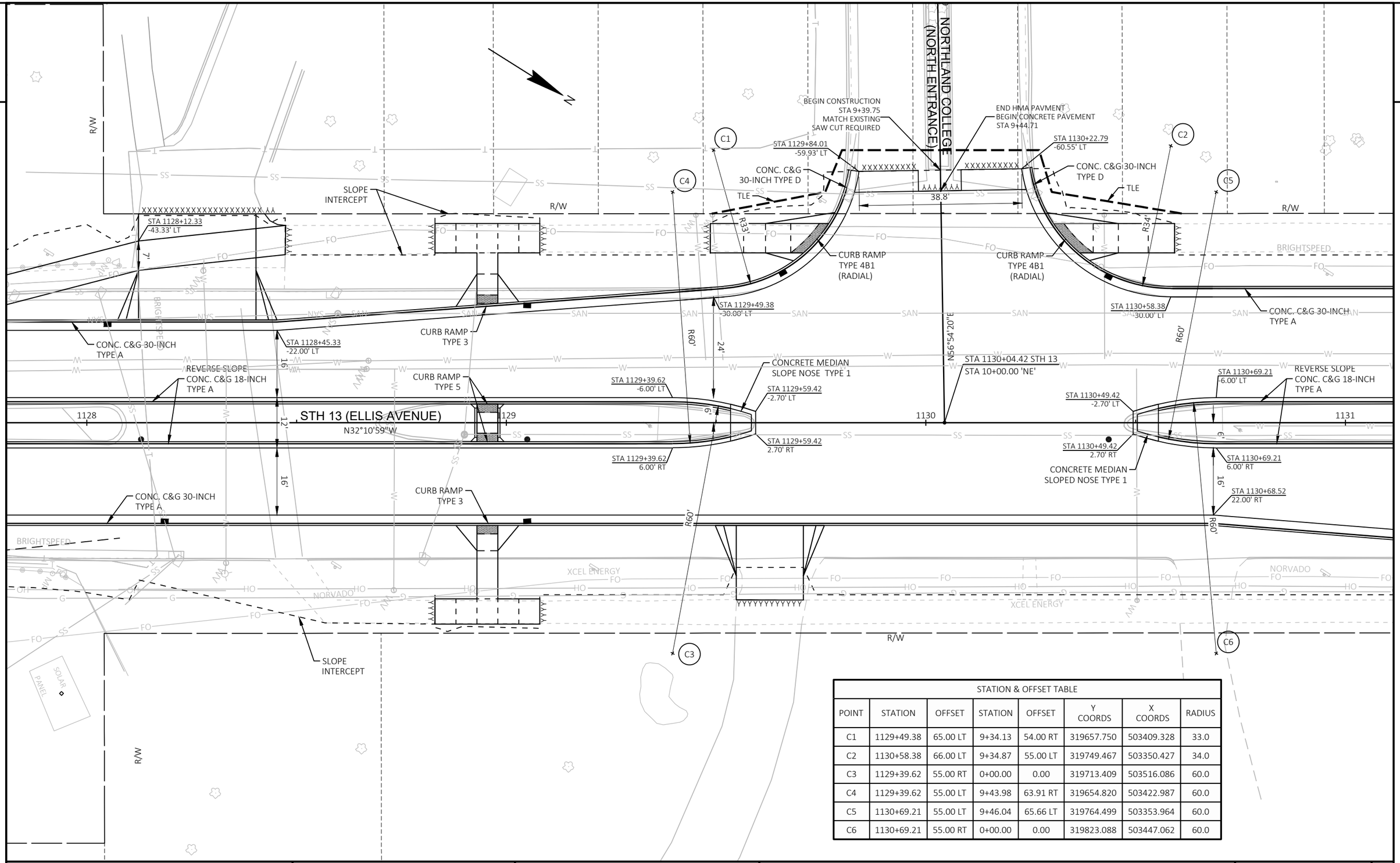
SOLAR
PANEL

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	INTERSECTION DETAILS	SHEET 34	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\021101_ID-16THTO13TH.DWG
LAYOUT NAME - 13_id-03-BoxCulvTaper

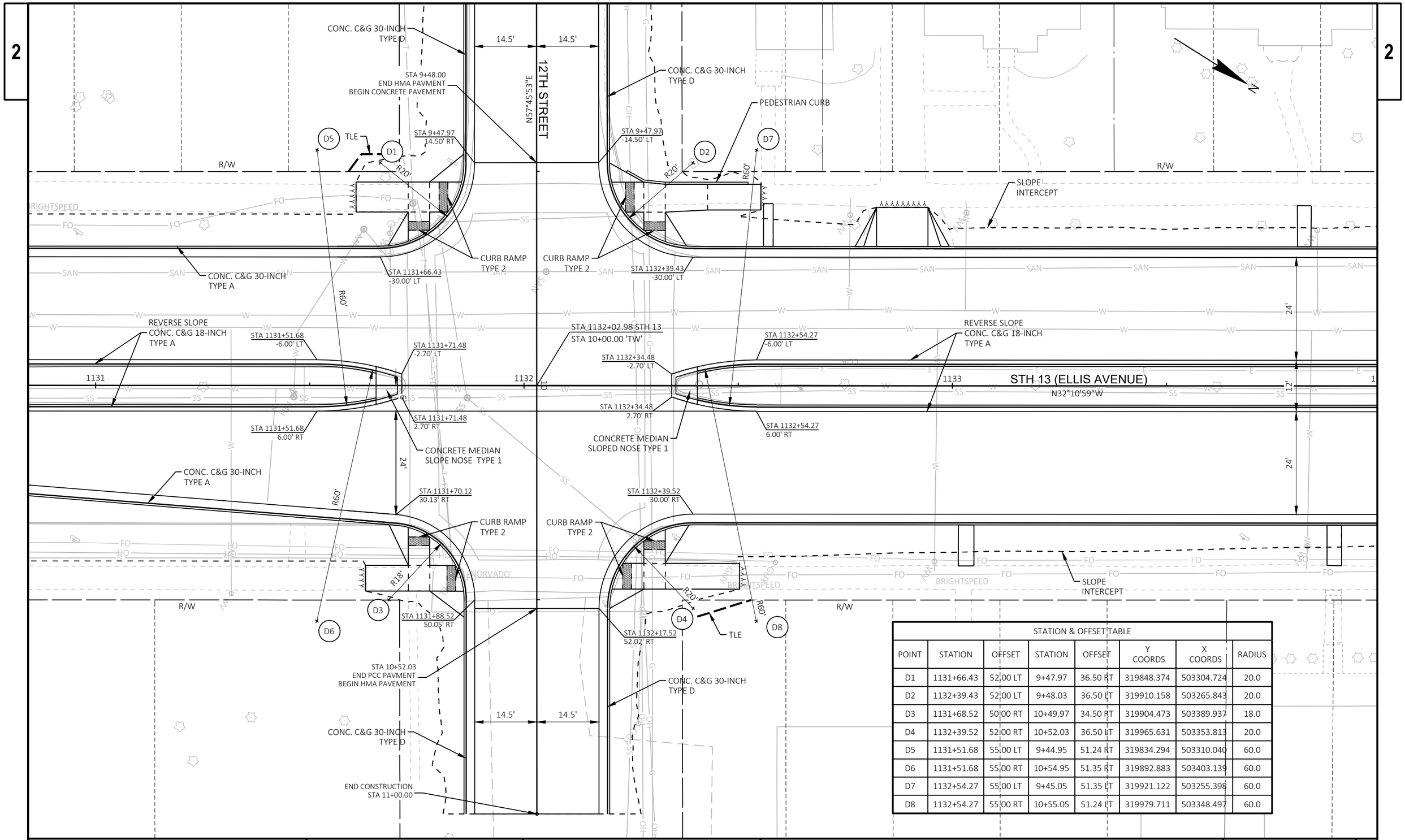
PLOT DATE : 7/27/2024 7:57 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:21 FT

WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
C1	1129+49.38	65.00 LT	9+34.13	54.00 RT	319657.750	503409.328	33.0
C2	1130+58.38	66.00 LT	9+34.87	55.00 LT	319749.467	503350.427	34.0
C3	1129+39.62	55.00 RT	0+00.00	0.00	319713.409	503516.086	60.0
C4	1129+39.62	55.00 LT	9+43.98	63.91 RT	319654.820	503422.987	60.0
C5	1130+69.21	55.00 LT	9+46.04	65.66 LT	319764.499	503353.964	60.0
C6	1130+69.21	55.00 RT	0+00.00	0.00	319823.088	503447.062	60.0

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	INTERSECTION DETAILS	SHEET 35	E



STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
D1	1131+66.43	52.00 LT	9+47.97	36.50 RT	319848.374	503304.724	20.0
D2	1132+39.43	52.00 LT	9+48.03	36.50 LT	319910.158	503265.843	20.0
D3	1131+68.52	50.00 RT	10+49.97	34.50 RT	319904.473	503389.937	18.0
D4	1132+39.52	52.00 RT	10+52.03	36.50 LT	319965.631	503353.813	20.0
D5	1131+51.68	55.00 LT	9+44.95	51.24 RT	319834.294	503310.040	60.0
D6	1131+51.68	55.00 RT	10+54.95	51.35 RT	319892.883	503403.139	60.0
D7	1132+54.27	55.00 LT	9+45.05	51.35 LT	319921.122	503255.398	60.0
D8	1132+54.27	55.00 RT	10+55.05	51.24 LT	319979.711	503348.497	60.0

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	INTERSECTION DETAILS	SHEET 36	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\021102_ID-12THTO10TH.DWG
LAYOUT NAME - 13_id-01-12th

PLOT DATE : 7/27/2024 8:00 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 42

2

2

11TH STREET

BEGIN CONSTRUCTION
STA 9+32.48
MATCH EXISTING
SAW CUT REQUIRED

STA 9+47.93
END HMA PAVMENT
BEGIN CONCRETE PAVEMENT

CONC. C&G 30-INCH
TYPE D

CONC. C&G 30-INCH
TYPE D

TLE

TLE

16'

16'

E6

E1

E2

E7

R60'

R20'

R20'

R60'

R/W

R/W

STA 9+47.93
16.00' RT

STA 9+48.05
-16.00' LT

SLOPE
INTERCEPT

CURB RAMP
TYPE 2

CURB RAMP
TYPE 2

STA 1135+31.99
-30.00' LT

STA 1136+08.02
-30.00' LT

CONC. C&G 30-INCH
TYPE A

N57°42'37"E

24'

24'

REVERSE SLOPE
CONC. C&G 18-INCH
TYPE A

STA 1135+17.79
-6.00' LT

STA 1135+37.59
2.70' LT

PI: 1135+70.09

STA 1135+70.09 STH 13
STA 10+00.00 'EL'

STA 1136+03.16
-2.70' LT

STA 1136+22.96
-6.00' LT

1135

1136

1137

STH 13 (ELLIS AVENUE)

N32°10'59"W

N32°12'53"W

12'

12'

STA 1135+17.79
6.00' RT

STA 1135+37.59
2.70' RT

STA 1136+03.16
2.70' RT

STA 1136+22.96
6.00' RT

CONCRETE MEDIAN
SLOPE NOSE TYPE 1

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

24'

24'

CONC. C&G 30-INCH
TYPE A

STA 1135+32.18
30.00' RT

STA 1136+08.15
30.00' RT

CURB RAMP
TYPE 2

CURB RAMP
TYPE 2

SLOPE
INTERCEPT

BRIGHTSPEED

NORVADO

R/W

R60'

R20'

R20'

R60'

E5

E3

E4

E8

TLE

TLE

STA 1135+54.18
51.96' RT

STA 1135+86.15
52.03' RT

STA 10+52.05
END PCC PAVMENT
BEGIN HMA PAVEMENT

16'

16'

CONC. C&G 30-INCH
TYPE D

CONC. C&G 30-INCH
TYPE D

END CONSTRUCTION
STA 10+80.00
MATCH EXISTING
SAW CUT REQUIRED

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
E1	1135+31.99	52.00 LT	9+47.93	38.00 RT	320157.767	503110.017	20.0
E2	1136+08.02	52.00 LT	9+48.05	38.00 LT	320222.079	503069.520	20.0
E3	1135+32.18	52.00 RT	10+51.93	38.00 RT	320213.324	503197.935	20.0
E4	1136+08.15	52.00 RT	10+52.05	38.00 LT	320277.636	503157.437	20.0
E5	1135+17.79	55.00 RT	10+54.90	52.40 RT	320202.741	503208.139	60.0
E6	1135+17.79	55.00 LT	9+44.90	52.19 RT	320144.152	503115.041	60.0
E7	1136+22.96	55.00 LT	9+45.07	52.94 LT	320233.120	503059.017	60.0
E8	1136+22.96	55.00 RT	10+55.07	52.80 LT	320291.760	503152.083	60.0

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	INTERSECTION DETAILS	SHEET 37	E

2

2

BEGIN CONSTRUCTION
STA 9+28.90
MATCH EXISTING
SAW CUT REQUIRED

10 TH STREET

CONC. C&G 30-INCH
TYPE D

CONC. C&G 30-INCH
TYPE D

STA 9+49.70
END HMA PAVMENT
BEGIN CONCRETE PAVEMENT

F6

TLE

STA 9+49.70
16.15' RT

R60'

R/W

F1

16.5'

16.5'

R9'

STA 9+58.88
16.50' RT

CURB RAMP
TYPE 2

STA 1139+08.06
-30.00' LT

STA 9+49.70
-16.50' LT

STA 9+53.14
-16.50' LT

TLE

F8

F2

R60'

R15'

R/W

SLOPE
INTERCEPT

CURB RAMP
TYPE 2

STA 1139+69.04
-30.00' LT

CONC. C&G 30-INCH
TYPE A

24'

REVERSE SLOPE
CONC. C&G 18-INCH
TYPE A

STA 1138+84.04
-6.00' LT

STA 1139+03.83
-2.70' LT

STA 1139+35.74 STH 13
STA 10+00.00 'TE'

N57°32'33"E

STA 1139+67.79
-2.72' LT

STA 1139+87.53
-6.00' LT

REVERSE SLOPE
CONC. C&G 18-INCH
TYPE A

12'

1139

1140

STH 13 (ELLIS AVENUE)

N32°12'53"W

1141

12'

24'

STA 1139+03.83
2.70' RT

STA 1138+84.04
6.00' RT

CONCRETE MEDIAN
SLOPE NOSE TYPE 1

STA 1139+67.79
2.72' RT

STA 1139+87.53
6.00' RT

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

24'

CONC. C&G 30-INCH
TYPE A

STA 1139+02.43
30.00' RT

STA 1139+69.44
30.00' RT

CURB RAMP
TYPE 2

CURB RAMP
TYPE 2

STA 10+46.86
16.50' RT

STA 10+47.14
-16.50' LT

R15'

R15'

F4

F3

R60'

R60'

F5

TLE

F7

TLE

SLOPE
INTERCEPT

R/W

R/W

STA 10+52.58
END CONCRETE PAVEMENT
BEGIN HMA PAVEMENT

16.5'

16.5'

CONCRETE STEPS

CONC. C&G 30-INCH
TYPE D

CONC. C&G 30-INCH
TYPE D

END CONSTRUCTION
STA 10+75.00
MATCH EXISTING
SAW CUT REQUIRED

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
F1	1139+08.06	41.00 LT	9+58.88	27.50 RT	320481.797	502918.876	9.0
F2	1139+69.04	47.00 LT	9+53.14	33.50 LT	320530.186	502881.294	15.0
F3	1139+02.43	47.00 RT	10+46.86	33.50 RT	320523.948	502996.329	15.0
F4	1139+69.44	47.00 RT	10+47.14	33.50 LT	320580.634	502960.611	15.0
F5	1138+84.04	55.00 RT	10+54.78	51.93 RT	320512.646	503012.905	60.0
F6	1138+84.04	55.00 LT	9+44.78	51.47 RT	320454.006	502919.839	60.0
F7	1139+87.53	55.00 RT	10+55.22	51.56 LT	320600.209	502957.733	60.0
F8	1139+87.53	55.00 LT	9+45.22	52.03 LT	320541.569	502864.667	60.0

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	INTERSECTION DETAILS	SHEET 38	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\021102_ID-12THTO10TH.DWG
LAYOUT NAME - 13_id-03-10th
PLOT DATE : 7/27/2024 8:00 AM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 42

2

2

BEGIN CONSTRUCTION
STA 9+15
MATCH EXISTING
SAW CUT REQUIRED

CONC. C&G 30-INCH
TYPE D

CONC. C&G 30-INCH
TYPE D

STA 9+30.22
11.00' RT

STA 9+30.42
-11.00' LT

11'

11'

STA 9+50.33
END HMA PAVMENT
BEGIN CONCRETE PAVEMENT

9TH STREET

N57°16'56"E

STA 9+50.69
-16.00' LT

STA 9+50.33
16.00' RT

STA 9+52.71
16.00' RT

G6

G8

R60'

R60'

R/W

R/W

G1

G2

R15'

R15'

16'

16'

STA 9+53.29
-16.00' LT

SLOPE
INTERCEPT

CURB RAMP
TYPE 2

CURB RAMP
TYPE 2

STA 9+69.71
33.15' RT

STA 9+70.29
-32.85' LT

CONC. C&G 30-INCH
TYPE A

STA 1143+02.68 STH 13
STA 10+00.00 'NI'

REVERSE SLOPE
CONC. C&G 18-INCH
TYPE A

STA 1142+50.09
-6.00' LT

STA 1142+69.83
-2.72' LT

STA 1143+34.58
-2.72' LT

STA 1143+54.32
-6.00' LT

24'

1142

1143

1144

STH 13 (ELLIS AVENUE)
N32°12'53"W

1145

12'

PI: 10+00.00

STA 1142+69.83
2.72' RT

STA 1143+34.58
2.72' RT

STA 1142+50.09
6.00' RT

STA 1143+54.32
6.00' RT

CONCRETE MEDIAN
SLOPE NOSE TYPE 1

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

24'

STA 1142+69.29
30.00' RT

STA 1143+35.30
30.00' RT

CONC. C&G 30-INCH
TYPE A

CURB RAMP
TYPE 2

CURB RAMP
TYPE 2

STA 10+47.27
16.00' RT

STA 10+46.73
-16.00' LT

SLOPE
INTERCEPT

BRIGHTSPEED

R/W

R/W

R60'

R60'

G3

G4

G5

G7

TLE

STA 10+51.80
END CONCRETE PAVMENT
BEGIN HMA PAVEMENT

16'

16'

CONC. C&G 30-INCH
TYPE D

CONC. C&G 30-INCH
TYPE D

END CONSTRUCTION
STA 10+65.50
MATCH EXISTING
SAW CUT REQUIRED

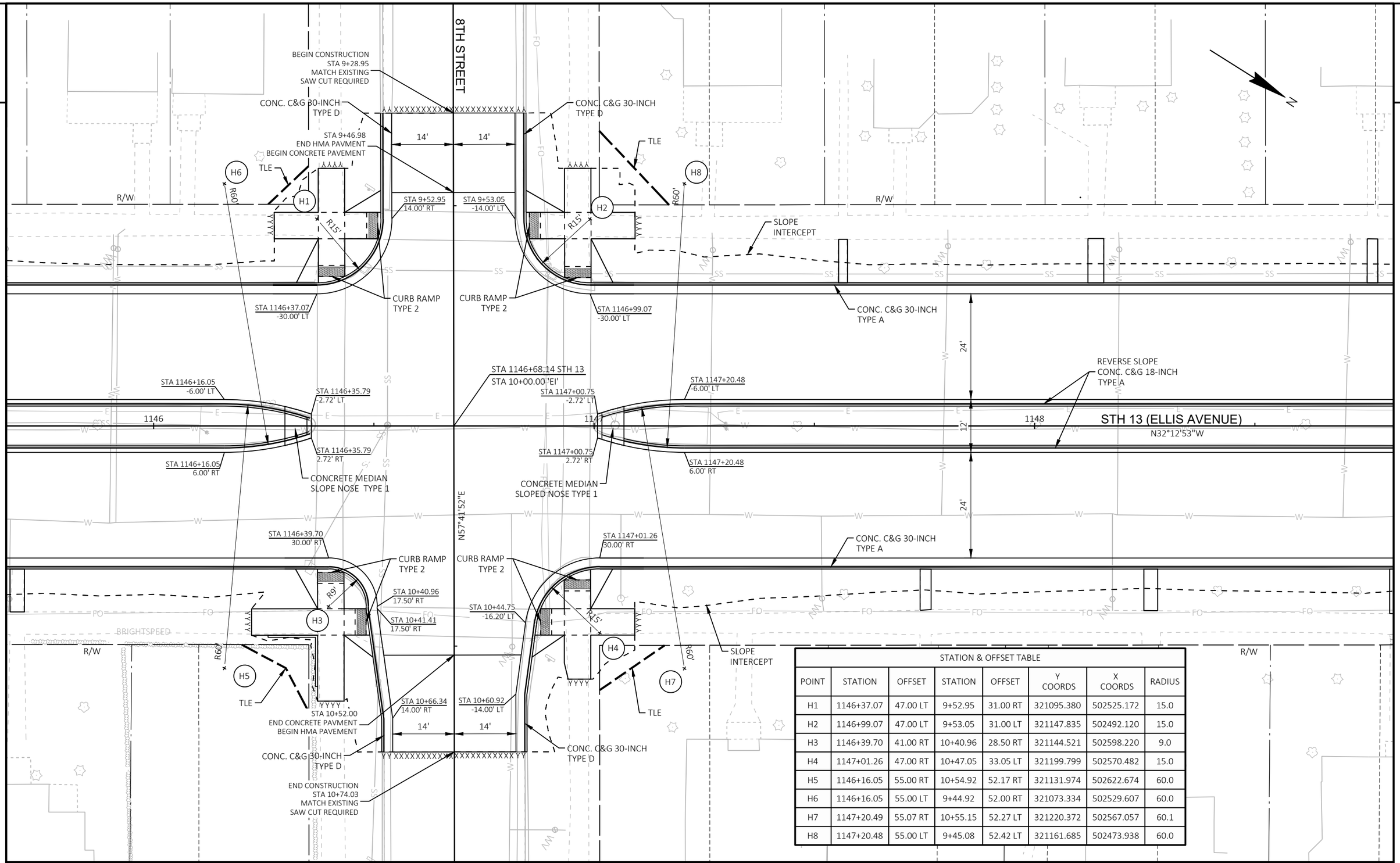
N58°15'18"E

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
G1	1142+69.27	47.00 LT	9+52.71	33.00 RT	320784.197	502721.245	15.0
G2	1143+35.27	47.00 LT	9+53.29	33.00 LT	320840.039	502686.060	15.0
G3	1142+69.29	47.00 RT	10+47.27	33.00 RT	320834.331	502800.760	15.0
G4	1143+35.30	47.00 RT	10+46.73	33.00 LT	320890.173	502765.574	15.0
G5	1142+50.09	55.00 RT	10+55.43	52.14 RT	320822.347	502817.766	60.0
G6	1142+50.09	55.00 LT	9+44.54	52.11 RT	320763.707	502724.700	60.0
G7	1143+54.32	55.00 RT	10+54.57	52.08 LT	320910.529	502762.203	60.0
G8	1143+54.32	55.00 LT	9+45.46	52.12 LT	320851.889	502669.137	60.0

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	INTERSECTION DETAILS	SHEET 39	E

2



STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
H1	1146+37.07	47.00 LT	9+52.95	31.00 RT	321095.380	502525.172	15.0
H2	1146+99.07	47.00 LT	9+53.05	31.00 LT	321147.835	502492.120	15.0
H3	1146+39.70	41.00 RT	10+40.96	28.50 RT	321144.521	502598.220	9.0
H4	1147+01.26	47.00 RT	10+47.05	33.05 LT	321199.799	502570.482	15.0
H5	1146+16.05	55.00 RT	10+54.92	52.17 RT	321131.974	502622.674	60.0
H6	1146+16.05	55.00 LT	9+44.92	52.00 RT	321073.334	502529.607	60.0
H7	1147+20.49	55.07 RT	10+55.15	52.27 LT	321220.372	502567.057	60.1
H8	1147+20.48	55.00 LT	9+45.08	52.42 LT	321161.685	502473.938	60.0

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	INTERSECTION DETAILS	SHEET 40	E

2

BEGIN CONSTRUCTION
STA 9+31.22
MATCH EXISTING
SAW CUT REQUIRED

7TH STREET

N57°50'19"E

CONC. C&G 30-INCH
TYPE D

STA 9+47.01
END HMA PAVMENT
BEGIN CONCRETE PAVEMENT

16' 16'

CONC. C&G 30-INCH
TYPE D

PEDESTRIAN CURB

TLE

I6

R60'

I1

R15'

R/W

STA 1150+18.48
-46.98' LT

STA 1150+50.48
-47.02' LT

I8

R60'

I2

R15'

PEDESTRIAN CURB

R/W

SLOPE
INTERCEPT

CURB RAMP
TYPE 2

CURB RAMP
TYPE 2

STA 1150+01.48
-30.00' LT

STA 1150+67.48
-30.00' LT

CONC. C&G 30-INCH
TYPE A

24'

STA 1150+34.44 STH 13
STA 10+00.00 'SE'

REVERSE SLOPE
CONC. C&G 18-INCH
TYPE A

STA 1149+82.35
-6.00' LT

STA 1150+02.10
-2.71' LT

STA 1150+66.56
-2.72' LT

STA 1150+86.30
-6.00' LT

1150

1151

1152

STH 13 (ELLIS AVENUE)
N32°12'53"W

12'

STA 1150+02.07
2.72' RT

STA 1149+82.35
6.00' RT

CONCRETE MEDIAN
SLOPE NOSE TYPE 1

STA 1150+66.56
2.72' RT

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

STA 1150+86.30
6.00' RT

24'

STA 1150+01.39
30.00' RT

CURB RAMP
TYPE 2

CURB RAMP
TYPE 2

STA 1150+67.39
30.00' RT

CONC. C&G 30-INCH
TYPE A

BRIGHTSPEED

R15'

I3

R60'

I5

TLE

STA 1150+18.39
47.02' RT

STA 1150+50.39
46.98' RT

R15'

I4

R60'

I7

TLE

SLOPE
INTERCEPT

R/W

R/W

16' 16'

STA 10+51.99
END CONCRETE PAVMENT
BEGIN HMA PAVEMENT

CONC. C&G 30-INCH
TYPE D

CONC. C&G 30-INCH
TYPE D

END CONSTRUCTION
STA 10+71.05
MATCH EXISTING
SAW CUT REQUIRED

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
I1	1150+01.48	47.00 LT	9+53.03	33.00 RT	321403.692	502330.908	15.0
I2	1150+67.48	47.00 LT	9+52.97	33.00 LT	321459.532	502295.723	15.0
I3	1150+01.39	47.00 RT	10+47.03	33.00 RT	321453.729	502410.484	15.0
I4	1150+67.39	47.00 RT	10+46.97	33.00 LT	321509.569	502375.299	15.0
I5	1149+82.35	55.00 RT	10+55.05	52.04 RT	321441.880	502427.405	60.0
I6	1149+82.35	55.00 LT	9+45.05	52.14 RT	321383.240	502334.338	60.0
I7	1150+86.30	55.00 RT	10+54.95	51.91 LT	321529.828	502371.990	60.0
I8	1150+86.30	55.00 LT	9+44.95	51.81 LT	321471.188	502278.924	60.0

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	INTERSECTION DETAILS	SHEET 41	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\021103_ID-9THTO7TH.DWG
LAYOUT NAME - 13_id-03-7th

PLOT DATE : 7/27/2024 8:07 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 42

2

2

BEGIN CONSTRUCTION
STA 9+30.58
MATCH EXISTING
SAW CUT REQUIRED

STA 9+39.27
END HMA PAVMENT
BEGIN CONCRETE PAVEMENT

6TH STREET

N57°09'41"E

CONC. C&G 30-INCH
TYPE D

TLE

PLE

J1

R25'

23.8'

STA 9+43.33
23.76' RT

STA 9+39.11
-24.00' LT

24'

CONC. C&G 30-INCH
TYPE D

TLE

PLE

J2

R30'

J5

R100'

R/W

R/W

NORVADO

SLOPE
INTERCEPT

CURB RAMP
TYPE 2

CURB RAMP
TYPE 2

STA 1153+48.87
-30.00' LT

STA 1154+55.57
-29.50' LT

CONC. C&G 30-INCH
TYPE A

REVERSE SLOPE
CONC. C&G 18-INCH
TYPE A

STA 1152+61.40
-7.60' LT

STA 1152+22.71
-6.00' LT

CONCRETE MEDIAN
SLOPE NOSE TYPE 1

STA 1152+61.40
-1.52' LT

24'

30'

1153

STH 13 (ELLIS AVENUE)

N32°12'53"W

1154

N32°12'51"W

1155

PI: 1154+00.24

STA 1154+00.24 STH 13
STA 10+00.00 'SI'

CONCRETE TRUCK APRON 12-INCH
COLORING CONCRETE WISDOT RED

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

REVERSE SLOPE
CONC. C&G 18-INCH
TYPE A

STA 1154+50.24
0.50' RT

BEGIN C&G
TRANSITION

STA 1155+28.72
0.53' RT

+77.23
6.01' RT

+87.76
8.00' RT

11'

STA 1152+22.71
6.00' RT

24'

30'

STA 1154+50.24
7.50' RT

STA 1154+78.38
11.50' RT

BEGIN C&G
TRANSITION

REVERSE SLOPE
CONC. C&G 4-INCH SLOPED
25-INCH TYPE R

18'

CONC. C&G 30-INCH
TYPE A

STA 1153+42.92
30.00' RT

CURB RAMP
TYPE 2

STA 1154+55.91
29.50' RT

CURB RAMP
TYPE 2

R/W

SLOPE
INTERCEPT

R/W

STA 10+61.85
25.50' RT

25.5'

STA 10+62.10
23.00' LT

23'

R30.5'

J3

PLE

TLE

R30'

J4

PLE

TLE

STA 10+64.63
END CONCRETE PAVMENT
BEGIN HMA PAVEMENT

22'

22.6'

CONC. C&G 30-INCH
TYPE D

CONC. C&G 30-INCH
TYPE D

END CONSTRUCTION
STA 10+81.73
MATCH EXISTING
SAW CUT REQUIRED

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
J1	1153+48.87	57.00 LT	9+42.44	50.74 RT	321692.276	502137.254	25.0
J2	1154+55.57	61.50 LT	9+39.11	56.00 LT	321780.150	502076.570	30.0
J3	1153+42.92	62.49 RT	10+61.86	57.99 RT	321750.943	502241.522	30.5
J4	1154+55.91	61.50 RT	10+62.10	55.00 LT	321846.008	502180.451	30.0
J5	1154+78.38	89.50 LT	9+11.36	79.11 LT	321784.523	502040.718	100.0

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	INTERSECTION DETAILS	SHEET 42	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\021104_ID-6THTO4TH.DWG
LAYOUT NAME - 13_id-01-6th

PLOT DATE : 7/27/2024 8:05 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1:20_XREF

WISDOT/CADDS SHEET 42

2

J5

R100'

CONC. C&G 30-INCH TYPE D

TLE

PLE

J2

R30'

R/W

NORVADO

SLOPE INTERCEPT

TRI-COUNTY CORRIDOR

XXXXXX

BRIGHTSPEED

BEGIN CONSTRUCTION
STA 9+37.50
MATCH EXISTING
SAW CUT REQUIRED

STA 9+49.22
END HMA PAVMENT
BEGIN CONCRETE PAVEMENT

CONC. C&G 30-INCH TYPE D

TLE

K1

R20'

R/W

STA 1157+21.96
-29.50' LT

CONCRETE TRUCK APRON 12-INCH
COLORING CONCRETE WISDOT RED

REVERSE SLOPE
CONC. C&G 4-INCH SLOPED
25-INCH TYPE R

STA 1157+17.55
-7.50' LT

CONCRETE MEDIAN
SLOPE NOSE TYPE 1

STA 1157+17.55
-0.50' LT

STA 1157+
STA 10+00

STA 1154+55.57
-29.50' LT

CONC. C&G 30-INCH TYPE A

CURB RAMP TYPE 3

CURB RAMP TYPE 5

STA 1156+00.88
-11.50' LT

END C&G TRANSITION

STA 1156+89.41
-11.50' LT

+80.03
-8.00' LT

+90.56
-6.00' LT

STA 1156+56.12
-0.50' LT

END C&G TRANSITION

CONCRETE TRUCK APRON 12-INCH
ORING CONCRETE WISDOT RED

ETE MEDIAN
NOSE TYPE 1

REVERSE SLOPE
CONC. C&G 18-INCH
TYPE A

STA 1154+50.24
0.50' RT

BEGIN C&G TRANSITION

STA 1155+28.72
0.53' RT

1155

1156

1157

STH 13 (ELLIS AVENUE)

N32°12'51"W

+77.23
6.01' RT

+87.76
8.00' RT

STA 1154+50.24
7.50' RT

STA 1154+78.38
11.50' RT

BEGIN C&G TRANSITION

STA 1155+84.12
11.50' RT

REVERSE SLOPE
C&G 4-INCH SLOPED
25-INCH TYPE R

CURB RAMP TYPE 5

CURB RAMP TYPE 3

CONC. C&G 30-INCH TYPE A

CONC. C&G 30-INCH TYPE A

STA 1154+55.91
29.50' RT

STA 1157+27.79
29.50' RT

30'

18'

11'

SLOPE INTERCEPT

R/W

XCEL ENERGY

BRIGHTSPEED

R30'

J4

PLE

TLE

CONC. C&G 30-INCH TYPE D

TRI-COUNTY CORRIDOR

R/W

XCEL ENERGY

R20'

K3

TLE

CONC. C&G 30-INCH TYPE D

STA 10+51.71
END CONCRETE PAVMENT
BEGIN HMA PAVEMENT

END CONSTRUC
STA 10+6
MATCH EXIS
SAW CUT REQU

R100'

K5

2

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	INTERSECTION DETAILS	SHEET 43	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\021104_ID-6THTO4TH.DWG
LAYOUT NAME - 13_id-02-TCC

PLOT DATE : 7/27/2024 8:05 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1:20_XREF

2

BEGIN CONSTRUCTION
STA 9+37.50
MATCH EXISTING
SAW CUT REQUIRED

STA 9+49.22
END HMA PAVMENT
BEGIN CONCRETE PAVEMENT

5TH STREET
N58°41'47"E

CONC. C&G 30-INCH
TYPE D

TLE

K1

R20'

24.4'

STA 9+49.23
24.40' RT

REVERSE SLOPE
GUTTER

CURB RAMP
TYPE 2

STA 1157+21.96
-29.50' LT

CONCRETE TRUCK APRON 12-INCH
COLORING CONCRETE WISDOT RED

REVERSE SLOPE
CONC. C&G 4-INCH SLOPED
25-INCH TYPE R

STA 1157+17.55
-7.50' LT

CONCRETE MEDIAN
SLOPE NOSE TYPE 1

STA 1157+17.55
-0.50' LT

STA 1157+67.55 STH 13
STA 10+00.00 'FI'

PI: 10+00.00

1157

1158

10'

CONC. C&G 30-INCH
TYPE D

TLE

K2

R25'

14.9'

STA 9+46.79
-14.38' LT

CURB RAMP
TYPE 2

STA 1158+09.54
-29.50' LT

R100'

K6

SLOPE
INTERCEPT

CONC. C&G 30-INCH
TYPE A

CONCRETE TRUCK APRON 12-INCH
COLORING CONCRETE WISDOT RED

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

STA 1158+17.55
0.50' RT

STA 1158+17.55
7.50' RT

BEGIN C&G
TRANSITION

+44.54
6.00' RT

+55.07
8.00' RT

STA 1158+45.69
11.50' RT

BEGIN C&G
TRANSITION

30'

11'

18'

STA 1159+01.45
0.50' RT

1159

REVERSE SLOPE
CONC. C&G 18-INCH
TYPE A

STA 1159+73.45
-11.50' LT

STH 13 (ELLIS AVENUE)
N32°12'51"W

STA 1159+82.93
-0.50' LT

STA 1159+10.93
11.50' RT

1160

STA 1157+27.79
29.50' RT

CURB RAMP
TYPE 2

REVERSE SLOPE
GUTTER

17.5'

17.5'

STA 10+51.70
17.50' RT

STA 10+51.30
-17.50' LT

K3

K4

TLE

TLE

CONC. C&G 30-INCH
TYPE D

CONC. C&G 30-INCH
TYPE D

STA 10+51.71
END CONCRETE PAVMENT
BEGIN HMA PAVEMENT

END CONSTRUCTION
STA 10+61.30
MATCH EXISTING
SAW CUT REQUIRED

N58°04'43"E

R100'

K5

STA 1158+06.79
29.50' RT

CONC. C&G 30-INCH
TYPE A

SLOPE
INTERCEPT

R/W

XCEL ENERGY

STATION & OFFSET TABLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
K1	1157+21.96	51.50 LT	9+49.23	46.40 RT	322010.864	501943.019	20.0
K2	1158+09.54	56.50 LT	9+42.84	41.09 LT	322082.295	501892.103	25.0
K3	1157+27.79	51.50 RT	10+51.70	39.50 RT	322070.699	502027.059	20.0
K4	1158+06.79	51.50 RT	10+51.30	39.50 LT	322137.539	501984.945	20.0
K5	1156+89.41	89.50 RT	10+89.90	77.68 RT	322058.486	502079.669	100.0
K6	1158+45.69	89.50 LT	9+09.27	76.71 LT	322095.290	501844.911	100.0

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	INTERSECTION DETAILS	SHEET 44	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\021104_ID-6THTO4TH.DWG
LAYOUT NAME - 13_id-03-5th

PLOT DATE : 7/27/2024 8:05 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1:20_XREF

2

2

BEGIN CONSTRUCTION
STA 9+28.48
MATCH EXISTING
SAW CUT REQUIRED

DEPOT DRIVE

N57°45'11"E

CONC. C&G 30-INCH
TYPE D

CONC. C&G 30-INCH
TYPE D

STA 9+48.48
END HMA PAVMENT
BEGIN CONCRETE PAVEMENT

17'

18'

TLE

TLE

L2

L1

L3

R/W

R/W

BRIGHTSPEED

R20'

R40'

R59'

STA 9+48.48
17.00' RT

STA 9+48.52
-18.00' LT

SLOPE
INTERCEPT

CURB RAMP
TYPE 4B1

CURB RAMP
TYPE 4B1

STA 1161+26.45
-29.50' LT

STA 1162+05.45
-29.50' LT

CONC. C&G 30-INCH
TYPE A

CONCRETE TRUCK APRON 12-INCH
COLORING CONCRETE WISDOT RED

REVERSE SLOPE
CONC. C&G 18-INCH
TYPE A

REVERSE SLOPE
CONC. C&G 4-INCH SLOPED
25-INCH TYPE R

REVERSE SLOPE
CONC. C&G 4-INCH SLOPED
25-INCH TYPE R

REVERSE SLOPE
CONC. C&G 18-INCH
TYPE A

18'

11'

30'

18'

23'

18'

END C&G
TRANSITION

STA 1160+87.34
-11.50' LT

STA 1161+15.49
-7.50' LT

STA 1160+77.96
-8.00' LT

CONCRETE MEDIAN
SLOPE NOSE TYPE 1

STA 1161+65.48 STH 13
STA 10+00.00 'DE'

STA 1162+15.50
-4.41' LT

STA 1162+43.76
-11.50' LT

1161

1162

1163

STH 13 (ELLIS AVENUE)
N32°12'51"W

STA 1160+88.50
-6.00' LT

STA 1161+15.49
-0.50' LT

END C&G
TRANSITION

+21.46
3.41' RT

+56.75
8.04' RT

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

STA 1162+15.46
4.41' RT

STA 1162+43.76
11.50' RT

BEGIN C&G
TRANSITION

STA 1162+89.77
11.50' RT

CONC. C&G 30-INCH
TYPE A

CONCRETE TRUCK APRON 12-INCH
COLORING CONCRETE WISDOT RED

SLOPE
INTERCEPT

R100'

R99'

XCEL ENERGY

L4

L5

R/W

R/

COA

COA

STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
L1	1162+05.45	51.50 LT	9+48.52	40.00 LT	322419.930	501685.277	20
L2	1161+26.45	51.50 LT	9+48.48	39.00 RT	322353.091	501727.390	20
L3	1162+43.76	48.50 LT	9+51.54	78.30 LT	322453.937	501667.395	59
L4	1162+43.80	48.50 RT	0+00.00	0.00	322505.681	501749.442	59
L5	1160+87.34	89.50 RT	0+00.00	0.00	322395.166	501867.534	100

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	INTERSECTION DETAILS	SHEET 45	E

2

2

BEGIN CONSTRUCTION
STA 9+38.99
MATCH EXISTING
SAW CUT REQUIRED

STA 9+48.21
END HMA PAVMENT
BEGIN CONCRETE PAVEMENT

3RD STREET

N57°23'26"E

CONC. C&G 30-INCH
TYPE D

PLE

TLE

M1

R20'

R/W

21.1'

STA 9+49.69
21.08' RT

STA 1164+54.95
-29.50' LT

CURB RAMP
TYPE 2

REVERSE SLOPE
CONC. C&G 18-INCH
TYPE A

18'

11'

30'

END C&G
TRANSITION

STA 1164+20.19
-11.50' LT

REVERSE SLOPE
CONC. C&G 4-INCH SLOPED
25-INCH TYPE R

STA 1164+48.33
-7.50' LT

+10.81
-8.00' LT

+21.34
-6.00' LT

CONCRETE MEDIAN
SLOPE NOSE TYPE 1

1164

STA 1164+48.33
-0.50' LT

END C&G
TRANSITION

CONCRETE TRUCK APRON 12-INCH
COLORING CONCRETE WISDOT RED

STA 1164+98.33 STH 13
STA 10+00.00 'TH'

1165

STH 13 (ELLIS AVENUE)

N32°12'51"W

CONC. C&G 30-INCH
TYPE D

TLE

STA 9+48.79
-20.00' LT

M2

R100'

M6

R/W

20'

SLOPE
INTERCEPT

CURB RAMP
TYPE 2

STA 1165+39.98
-29.50' LT

CONC. C&G 30-INCH
TYPE A

CONCRETE TRUCK APRON 12-INCH
COLORING CONCRETE WISDOT RED

30'

REVERSE SLOPE
CONC. C&G 18-INCH
TYPE A

STA 1165+48.33
0.50' RT

BEGIN C&G
TRANSITION

1166

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

+75.32
6.00' RT

+85.85
8.00' RT

11'

STA 1165+48.33
7.50' RT

STA 1165+76.47
11.50' RT

BEGIN C&G
TRANSITION

REVERSE SLOPE
CONC. C&G 4-INCH SLOPED
25-INCH TYPE R

18'

CONC. C&G 30-INCH
TYPE A

STA 1164+56.69
29.50' RT

CURB RAMP
TYPE 2

CURB RAMP
TYPE 2

STA 1165+45.72
29.50' RT

SLOPE
INTERCEPT

R/W

R20'

M3

STA 10+51.21
20.00' RT

20'

20'

R/W

PLE

TLE

STA 10+56.83
-20.00' LT

R5'

M4

PLE

TLE

CONC. C&G 30-INCH
TYPE D

STA 10+56.83
END CONCRETE PAVMENT
BEGIN HMA PAVEMENT

CONC. C&G 30-INCH
TYPE D

R100'

M5

END CONSTRUCTION
STA 10+80.00
MATCH EXISTING
SAW CUT REQUIRED

STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
M1	1164+54.95	51.50 LT	9+48.20	43.03 RT	322631.016	501552.276	20.0
M2	1165+39.98	51.50 LT	9+48.79	42.00 LT	322702.957	501506.948	20.0
M3	1164+56.69	51.50 RT	10+51.21	42.00 RT	322687.395	501638.493	20.0
M4	1165+45.72	56.50 RT	10+56.83	47.00 LT	322765.391	501595.260	25.0
M5	1164+20.19	89.50 RT	10+88.96	78.76 RT	322676.775	501690.098	100.0
M6	1165+76.47	89.50 LT	9+11.04	78.76 LT	322713.576	501455.343	100.0

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	INTERSECTION DETAILS	SHEET 46	E

2

2

BEGIN CONSTRUCTION
STA 9+38.43
MATCH EXISTING
SAW CUT REQUIRED

STA 9+48.43
END HMA PAVMENT
BEGIN CONCRETE PAVEMENT

MAIN STREET
N57°41'53"E

CONC. C&G 30-INCH
TYPE D

TLE

N1

R20'

STA 9+48.43
21.00' RT

21'

STA 9+48.57
-21.00' LT

N2

R20'

CONC. C&G 30-INCH
TYPE D

TLE

N6

R100'

R/W

R/W

SLOPE
INTERCEPT

CURB RAMP
TYPE 2

CURB RAMP
TYPE 2

CONC. C&G 30-INCH
TYPE A

STA 1168+21.57
-29.50' LT

STA 1169+07.57
-29.50' LT

REVERSE SLOPE
CONC. C&G 18-INCH
TYPE A

STA 1167+08.32
-11.50' LT

CONCRETE TRUCK APRON 12-INCH
COLORING CONCRETE WISDOT RED

STA 1167+86.50
-11.50' LT

END C&G
TRANSITION

CONCRETE MEDIAN
SLOPE NOSE TYPE 1

STA 1168+14.65
-7.50' LT

18'

11'

+77.12
-8.00' LT

+87.65
-6.00' LT

1167

1168

STH 13 (ELLIS AVENUE)
N32°12'51"W

STA 1168+64.65 STH 13
STA 10+00.00 'MA'

1169

CONCRETE TRUCK APRON 12-INCH
COLORING CONCRETE WISDOT RED

REVERSE SLOPE
CONC. C&G 18-INCH
TYPE A

30'

STA 1169+14.65
0.50' RT

BEGIN C&G
TRANSITION

STA 1168+14.65
-0.50' LT

STA 1167+22.74
-0.50' LT

END C&G
TRANSITION

REVERSE SLOPE
CONC. C&G 4-INCH SLOPED
25-INCH TYPE R

CONCRETE MEDIAN
SLOPED NOSE TYPE 1

+41.64
6.00' RT

STA 1169+14.65
7.50' RT

REVERSE SLOPE
CONC. C&G 4-INCH SLOPED
25-INCH TYPE R

STA 1169+42.79
11.50' RT

+52.17
8.00' RT

BEGIN C&G
TRANSITION

11'

18'

CONC. C&G 30-INCH
TYPE A

STA 1168+21.72
29.50' RT

STA 1169+17.74
29.50' RT

CURB RAMP
TYPE 2

CURB RAMP
TYPE 2

SLOPE
INTERCEPT

R/W

R/W

STA 10+51.43
21.00' RT

R20'

N3

21'

21'

R30'

N4

TLE

STA 10+61.58
-21.00' LT

TLE

CONC. C&G 30-INCH
TYPE D

CONC. C&G 30-INCH
TYPE D

STA 10+61.58
END CONCRETE PAVMENT
BEGIN HMA PAVEMENT

END CONSTRUCTION
STA 10+70.28
MATCH EXISTING
SAW CUT REQUIRED

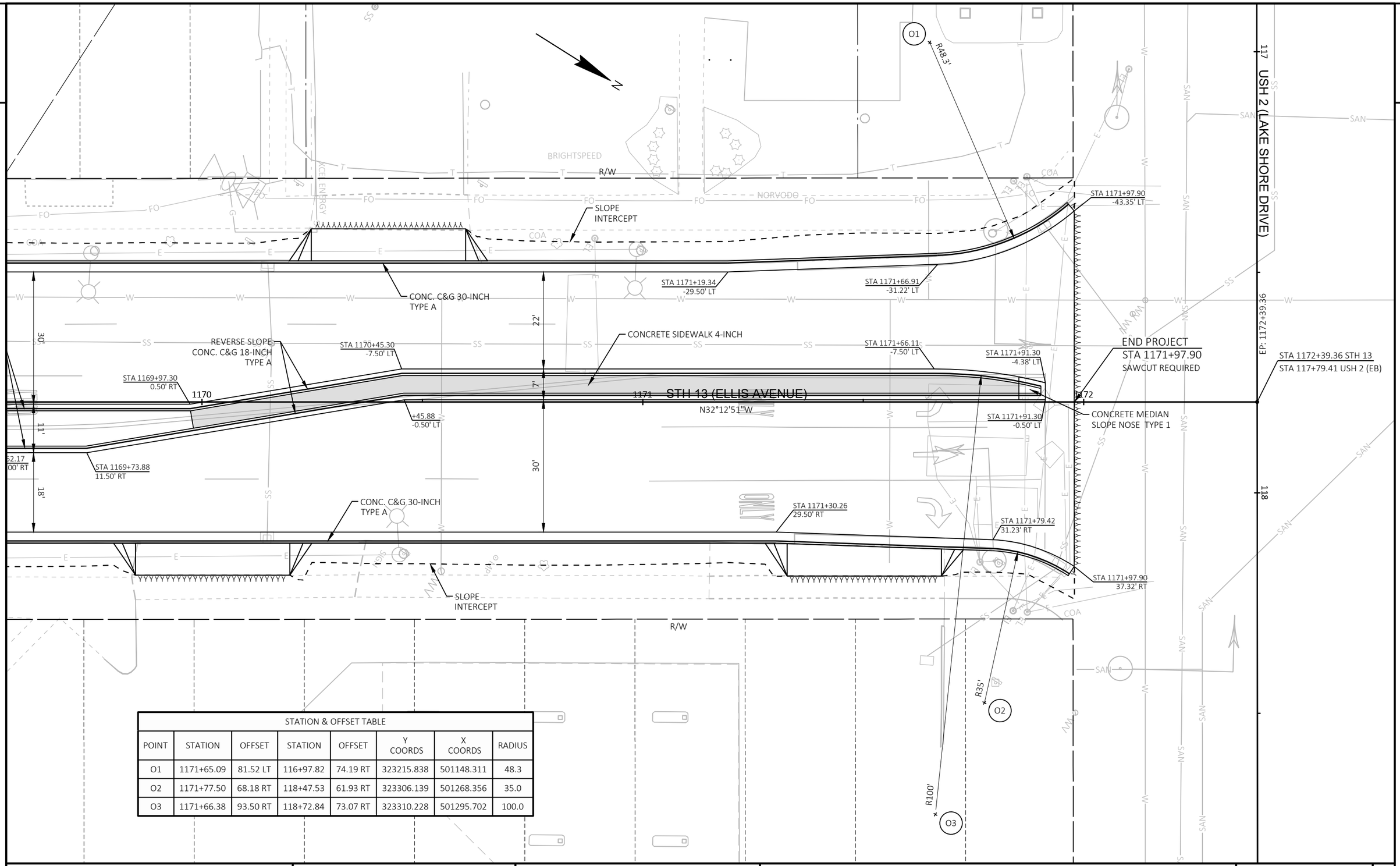
R100'

N5

STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
N1	1168+21.57	51.50 LT	9+48.43	43.00 RT	322941.199	501356.837	20.0
N2	1169+07.57	51.50 LT	9+48.57	43.00 LT	323013.960	501310.992	20.0
N3	1168+21.72	51.50 RT	10+51.43	43.00 RT	322996.240	501443.897	20.0
N4	1169+17.74	61.50 RT	10+61.58	53.00 LT	323082.806	501401.173	30.0
N5	1167+86.50	89.50 RT	10+89.38	78.28 RT	322986.698	501494.823	100.0
N6	1169+42.79	89.50 LT	9+10.62	78.28 LT	323023.502	501260.065	100.0

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	INTERSECTION DETAILS	SHEET 47	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\021105_ID-3RDTOUS2.DWG
LAYOUT NAME - 13_id-02-Main
PLOT DATE : 7/27/2024 8:11 AM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE							
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
O1	1171+65.09	81.52 LT	116+97.82	74.19 RT	323215.838	501148.311	48.3
O2	1171+77.50	68.18 RT	118+47.53	61.93 RT	323306.139	501268.356	35.0
O3	1171+66.38	93.50 RT	118+72.84	73.07 RT	323310.228	501295.702	100.0

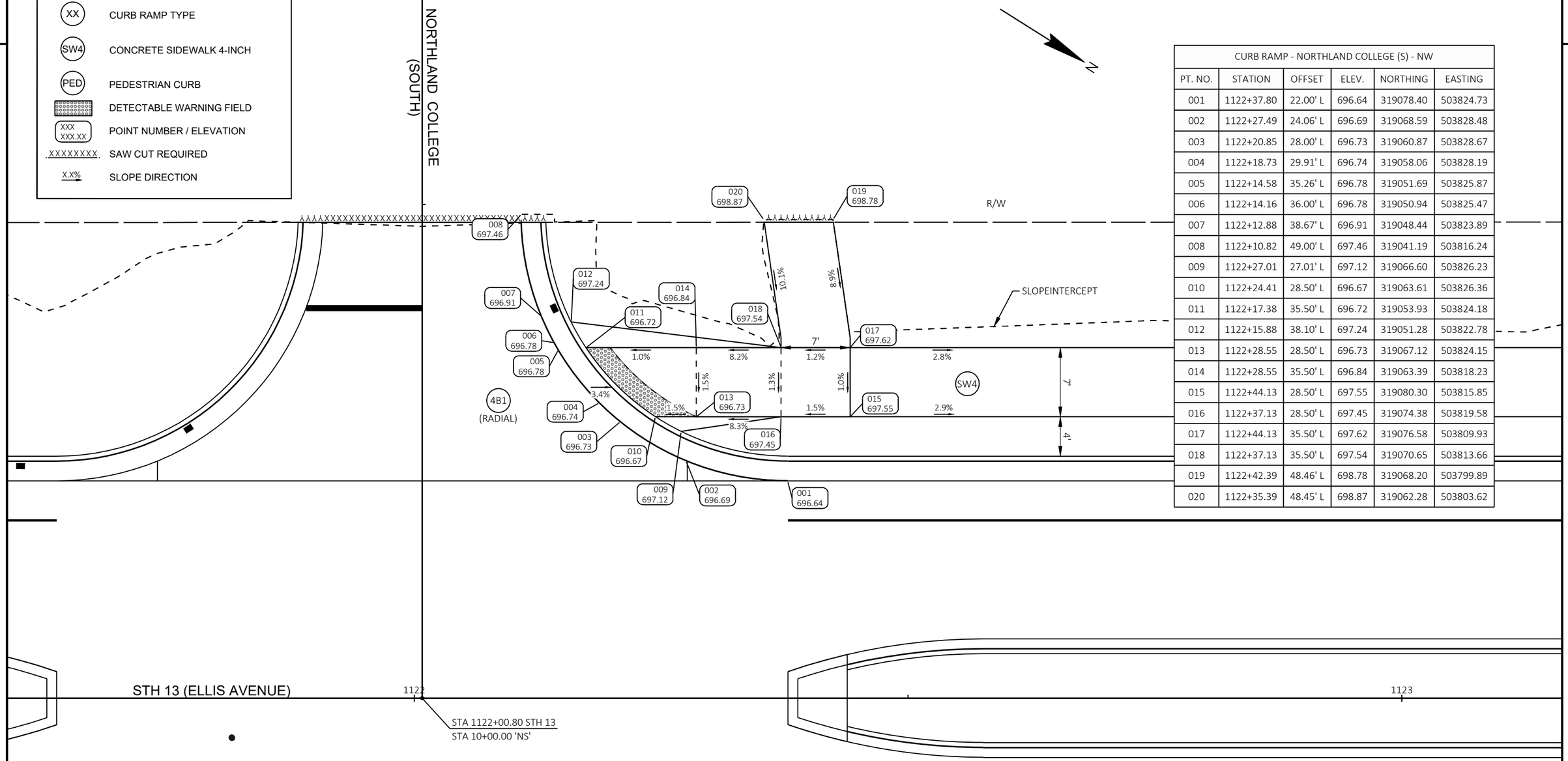
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	INTERSECTION DETAILS	SHEET 48	E

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LAYOUT NAME - 13_id-03-US2
PLOT DATE : 7/27/2024 8:12 AM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1:20_XREF
WISDOT/CADDS SHEET 42

2

LEGEND

- XX — CURB RAMP TYPE
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — PEDESTRIAN CURB
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NUMBER / ELEVATION
- XXXXXXXX — SAW CUT REQUIRED
- X.X% — SLOPE DIRECTION

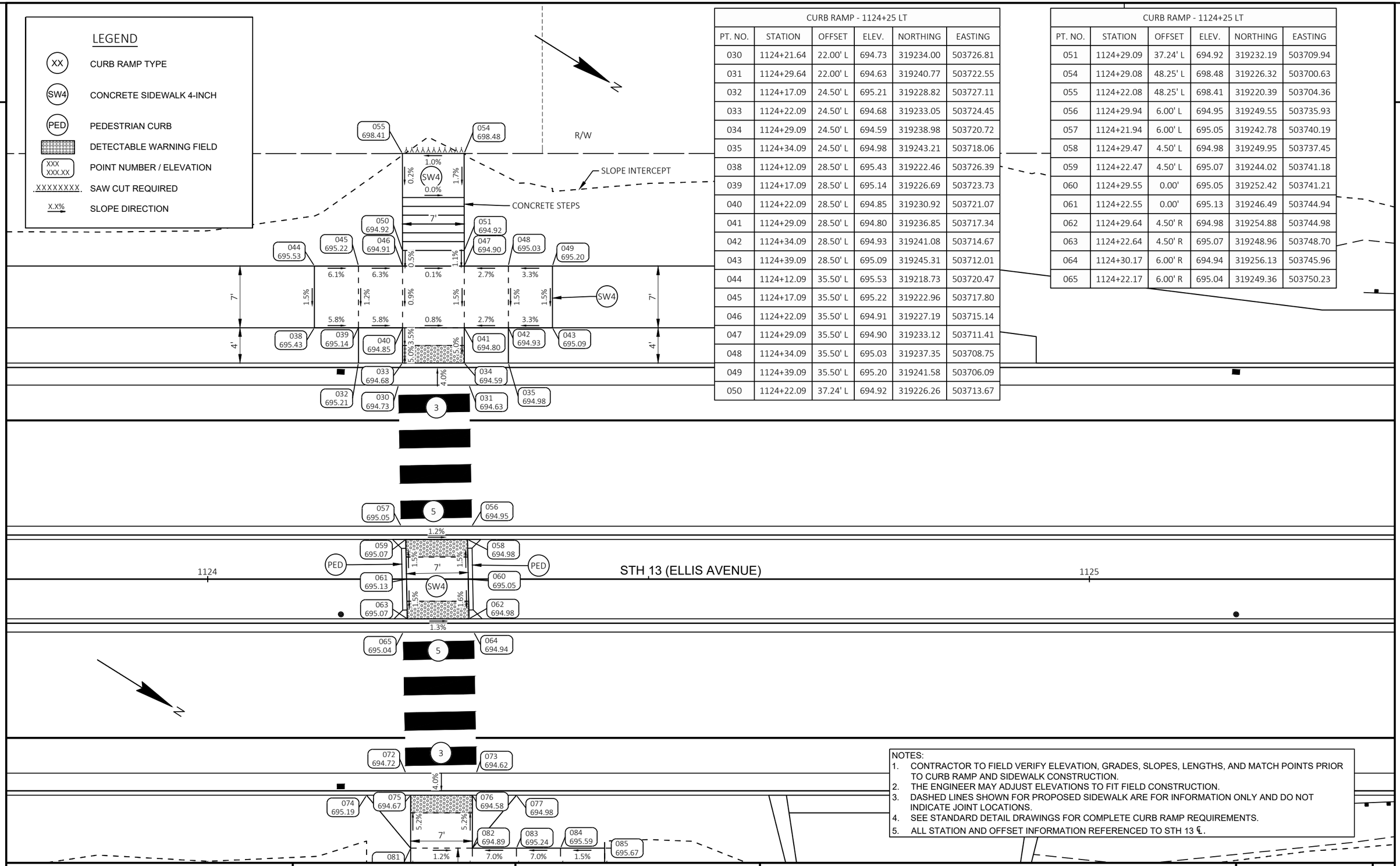


CURB RAMP - NORTHLAND COLLEGE (S) - NW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
001	1122+37.80	22.00' L	696.64	319078.40	503824.73
002	1122+27.49	24.06' L	696.69	319068.59	503828.48
003	1122+20.85	28.00' L	696.73	319060.87	503828.67
004	1122+18.73	29.91' L	696.74	319058.06	503828.19
005	1122+14.58	35.26' L	696.78	319051.69	503825.87
006	1122+14.16	36.00' L	696.78	319050.94	503825.47
007	1122+12.88	38.67' L	696.91	319048.44	503823.89
008	1122+10.82	49.00' L	697.46	319041.19	503816.24
009	1122+27.01	27.01' L	697.12	319066.60	503826.23
010	1122+24.41	28.50' L	696.67	319063.61	503826.36
011	1122+17.38	35.50' L	696.72	319053.93	503824.18
012	1122+15.88	38.10' L	697.24	319051.28	503822.78
013	1122+28.55	28.50' L	696.73	319067.12	503824.15
014	1122+28.55	35.50' L	696.84	319063.39	503818.23
015	1122+44.13	28.50' L	697.55	319080.30	503815.85
016	1122+37.13	28.50' L	697.45	319074.38	503819.58
017	1122+44.13	35.50' L	697.62	319076.58	503809.93
018	1122+37.13	35.50' L	697.54	319070.65	503813.66
019	1122+42.39	48.46' L	698.78	319068.20	503799.89
020	1122+35.39	48.45' L	698.87	319062.28	503803.62

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

LEGEND

- XX — CURB RAMP TYPE
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — PEDESTRIAN CURB
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NUMBER / ELEVATION
- XXXXXXXX — SAW CUT REQUIRED
- X.X% — SLOPE DIRECTION



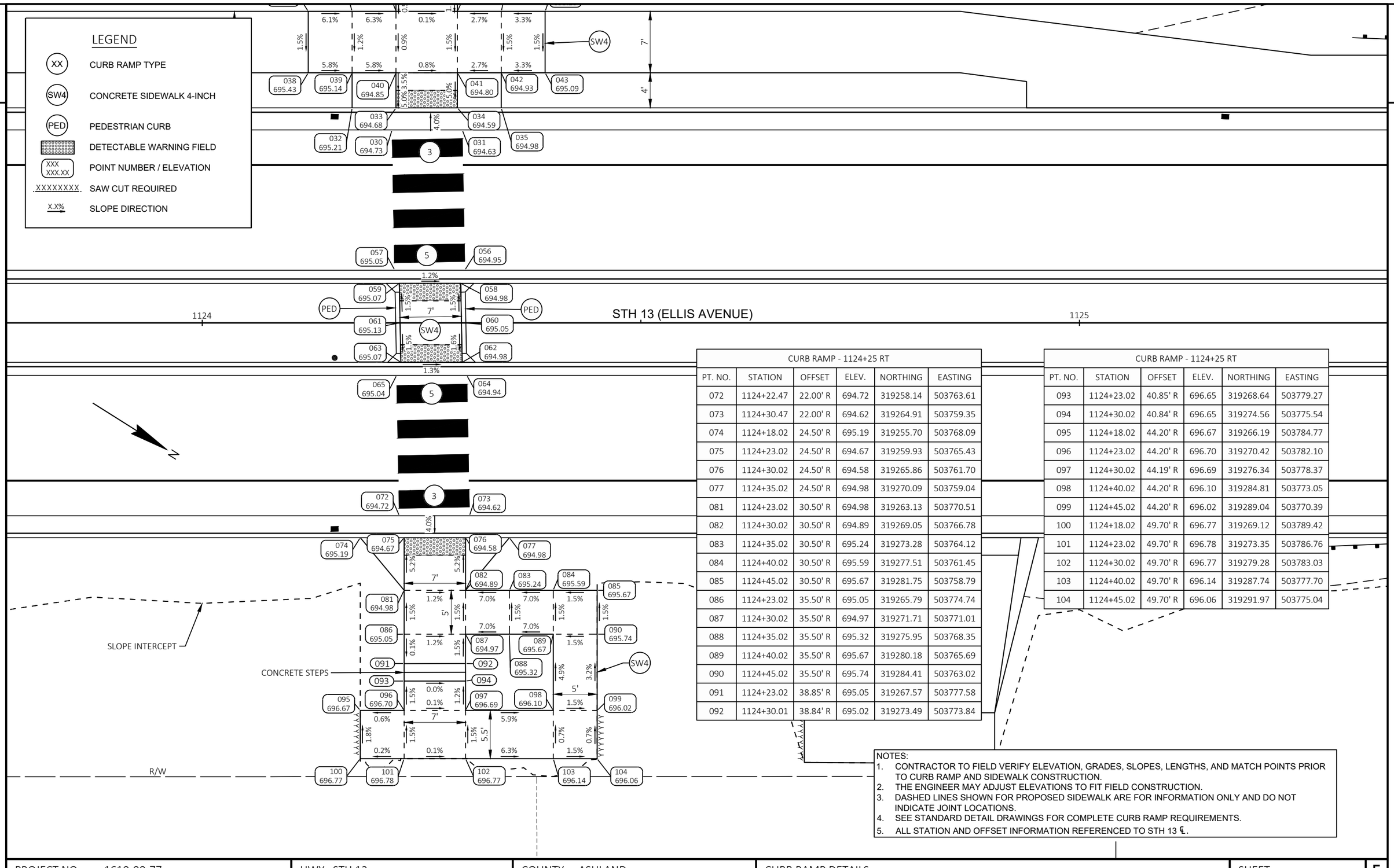
CURB RAMP - 1124+25 LT					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
030	1124+21.64	22.00' L	694.73	319234.00	503726.81
031	1124+29.64	22.00' L	694.63	319240.77	503722.55
032	1124+17.09	24.50' L	695.21	319228.82	503727.11
033	1124+22.09	24.50' L	694.68	319233.05	503724.45
034	1124+29.09	24.50' L	694.59	319238.98	503720.72
035	1124+34.09	24.50' L	694.98	319243.21	503718.06
038	1124+12.09	28.50' L	695.43	319222.46	503726.39
039	1124+17.09	28.50' L	695.14	319226.69	503723.73
040	1124+22.09	28.50' L	694.85	319230.92	503721.07
041	1124+29.09	28.50' L	694.80	319236.85	503717.34
042	1124+34.09	28.50' L	694.93	319241.08	503714.67
043	1124+39.09	28.50' L	695.09	319245.31	503712.01
044	1124+12.09	35.50' L	695.53	319218.73	503720.47
045	1124+17.09	35.50' L	695.22	319222.96	503717.80
046	1124+22.09	35.50' L	694.91	319227.19	503715.14
047	1124+29.09	35.50' L	694.90	319233.12	503711.41
048	1124+34.09	35.50' L	695.03	319237.35	503708.75
049	1124+39.09	35.50' L	695.20	319241.58	503706.09
050	1124+22.09	37.24' L	694.92	319226.26	503713.67

CURB RAMP - 1124+25 LT					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
051	1124+29.09	37.24' L	694.92	319232.19	503709.94
054	1124+29.08	48.25' L	698.48	319226.32	503700.63
055	1124+22.08	48.25' L	698.41	319220.39	503704.36
056	1124+29.94	6.00' L	694.95	319249.55	503735.93
057	1124+21.94	6.00' L	695.05	319242.78	503740.19
058	1124+29.47	4.50' L	694.98	319249.95	503737.45
059	1124+22.47	4.50' L	695.07	319244.02	503741.18
060	1124+29.55	0.00'	695.05	319252.42	503741.21
061	1124+22.55	0.00'	695.13	319246.49	503744.94
062	1124+29.64	4.50' R	694.98	319254.88	503744.98
063	1124+22.64	4.50' R	695.07	319248.96	503748.70
064	1124+30.17	6.00' R	694.94	319256.13	503745.96
065	1124+22.17	6.00' R	695.04	319249.36	503750.23

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 50	E

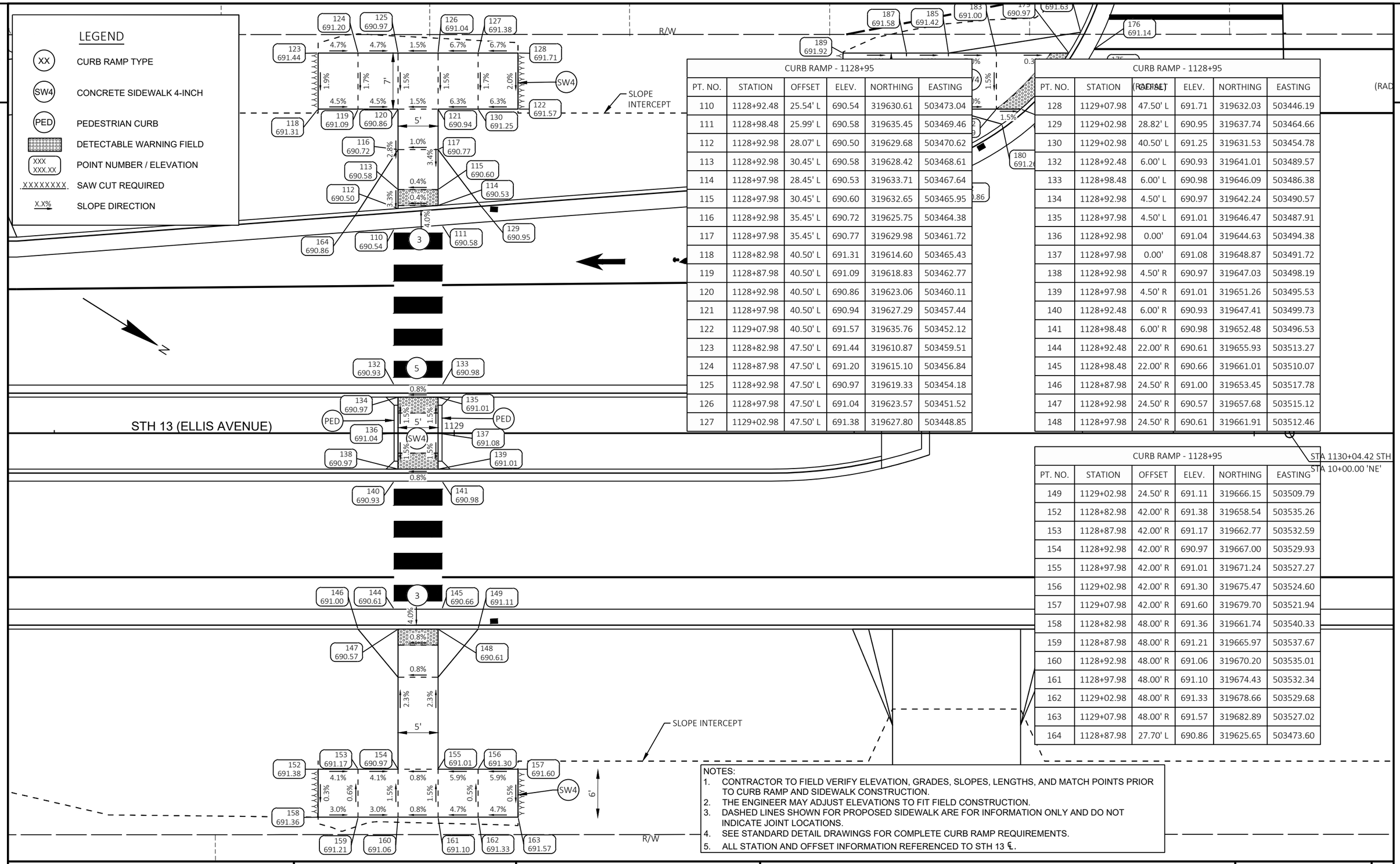
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LAYOUT NAME - 13_cr-02-1124W
PLOT DATE : 7/27/2024 11:36 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



CURB RAMP - 1124+25 RT					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
072	1124+22.47	22.00' R	694.72	319258.14	503763.61
073	1124+30.47	22.00' R	694.62	319264.91	503759.35
074	1124+18.02	24.50' R	695.19	319255.70	503768.09
075	1124+23.02	24.50' R	694.67	319259.93	503765.43
076	1124+30.02	24.50' R	694.58	319265.86	503761.70
077	1124+35.02	24.50' R	694.98	319270.09	503759.04
081	1124+23.02	30.50' R	694.98	319263.13	503770.51
082	1124+30.02	30.50' R	694.89	319269.05	503766.78
083	1124+35.02	30.50' R	695.24	319273.28	503764.12
084	1124+40.02	30.50' R	695.59	319277.51	503761.45
085	1124+45.02	30.50' R	695.67	319281.75	503758.79
086	1124+23.02	35.50' R	695.05	319265.79	503774.74
087	1124+30.02	35.50' R	694.97	319271.71	503771.01
088	1124+35.02	35.50' R	695.32	319275.95	503768.35
089	1124+40.02	35.50' R	695.67	319280.18	503765.69
090	1124+45.02	35.50' R	695.74	319284.41	503763.02
091	1124+23.02	38.85' R	695.05	319267.57	503777.58
092	1124+30.01	38.84' R	695.02	319273.49	503773.84

CURB RAMP - 1124+25 RT					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
093	1124+23.02	40.85' R	696.65	319268.64	503779.27
094	1124+30.02	40.84' R	696.65	319274.56	503775.54
095	1124+18.02	44.20' R	696.67	319266.19	503784.77
096	1124+23.02	44.20' R	696.70	319270.42	503782.10
097	1124+30.02	44.19' R	696.69	319276.34	503778.37
098	1124+40.02	44.20' R	696.10	319284.81	503773.05
099	1124+45.02	44.20' R	696.02	319289.04	503770.39
100	1124+18.02	49.70' R	696.77	319269.12	503789.42
101	1124+23.02	49.70' R	696.78	319273.35	503786.76
102	1124+30.02	49.70' R	696.77	319279.28	503783.03
103	1124+40.02	49.70' R	696.14	319287.74	503777.70
104	1124+45.02	49.70' R	696.06	319291.97	503775.04

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.



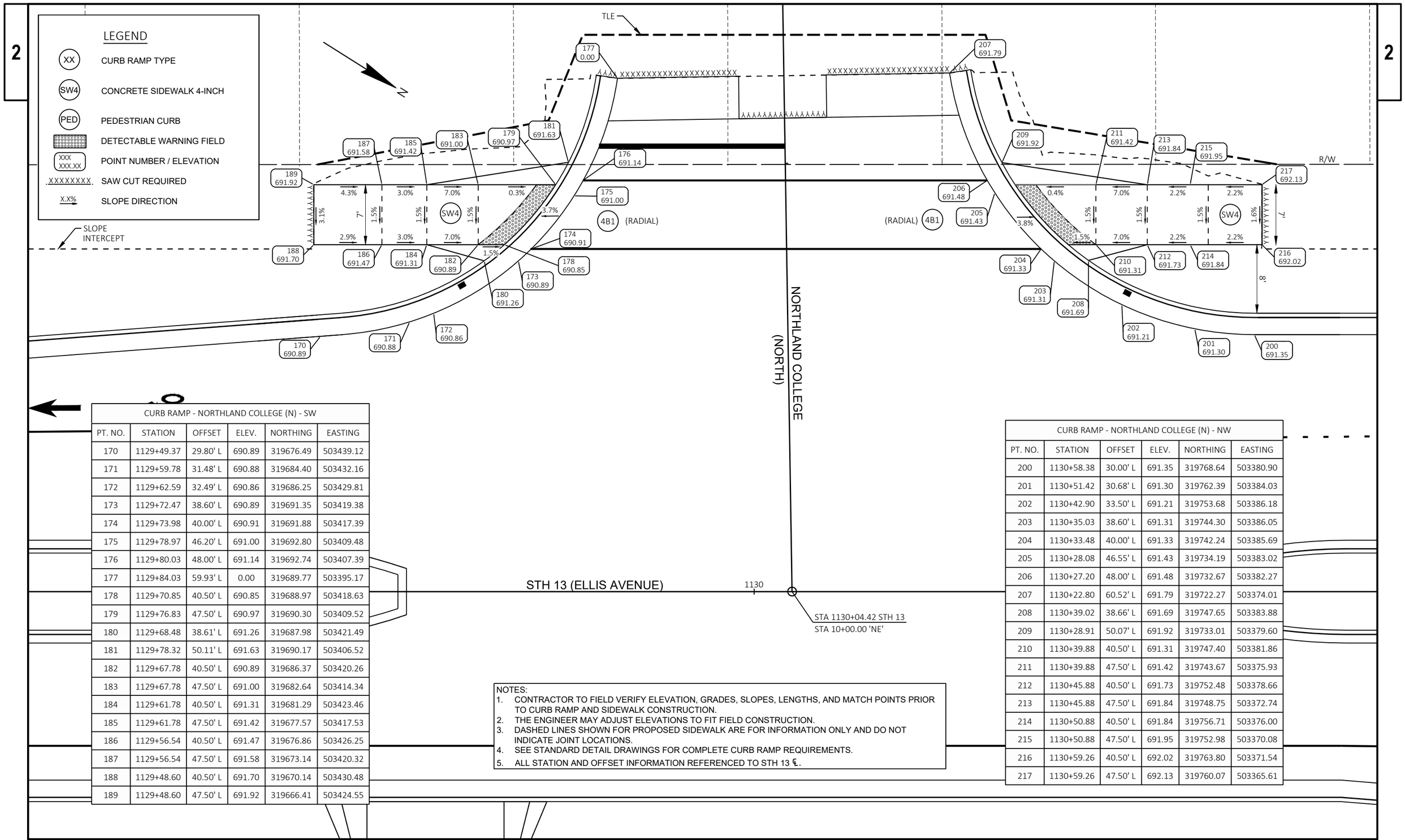
CURB RAMP - 1128+95					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
110	1128+92.48	25.54' L	690.54	319630.61	503473.04
111	1128+98.48	25.99' L	690.58	319635.45	503469.46
112	1128+92.98	28.07' L	690.50	319629.68	503470.62
113	1128+92.98	30.45' L	690.58	319628.42	503468.61
114	1128+97.98	28.45' L	690.53	319633.71	503467.64
115	1128+97.98	30.45' L	690.60	319632.65	503465.95
116	1128+92.98	35.45' L	690.72	319625.75	503464.38
117	1128+97.98	35.45' L	690.77	319629.98	503461.72
118	1128+82.98	40.50' L	691.31	319614.60	503465.43
119	1128+87.98	40.50' L	691.09	319618.83	503462.77
120	1128+92.98	40.50' L	690.86	319623.06	503460.11
121	1128+97.98	40.50' L	690.94	319627.29	503457.44
122	1129+07.98	40.50' L	691.57	319635.76	503452.12
123	1128+82.98	47.50' L	691.44	319610.87	503459.51
124	1128+87.98	47.50' L	691.20	319615.10	503456.84
125	1128+92.98	47.50' L	690.97	319619.33	503454.18
126	1128+97.98	47.50' L	691.04	319623.57	503451.52
127	1129+02.98	47.50' L	691.38	319627.80	503448.85

CURB RAMP - 1128+95					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
128	1129+07.98	47.50' L	691.71	319632.03	503446.19
129	1129+02.98	28.82' L	690.95	319637.74	503464.66
130	1129+02.98	40.50' L	691.25	319631.53	503454.78
132	1128+92.48	6.00' L	690.93	319641.01	503489.57
133	1128+98.48	6.00' L	690.98	319646.09	503486.38
134	1128+92.98	4.50' L	690.97	319642.24	503490.57
135	1128+97.98	4.50' L	691.01	319646.47	503487.91
136	1128+92.98	0.00'	691.04	319644.63	503494.38
137	1128+97.98	0.00'	691.08	319648.87	503491.72
138	1128+92.98	4.50' R	690.97	319647.03	503498.19
139	1128+97.98	4.50' R	691.01	319651.26	503495.53
140	1128+92.48	6.00' R	690.93	319647.41	503499.73
141	1128+98.48	6.00' R	690.98	319652.48	503496.53
144	1128+92.48	22.00' R	690.61	319655.93	503513.27
145	1128+98.48	22.00' R	690.66	319661.01	503510.07
146	1128+87.98	24.50' R	691.00	319653.45	503517.78
147	1128+92.98	24.50' R	690.57	319657.68	503515.12
148	1128+97.98	24.50' R	690.61	319661.91	503512.46

CURB RAMP - 1128+95					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
149	1129+02.98	24.50' R	691.11	319666.15	503509.79
152	1128+82.98	42.00' R	691.38	319658.54	503535.26
153	1128+87.98	42.00' R	691.17	319662.77	503532.59
154	1128+92.98	42.00' R	690.97	319667.00	503529.93
155	1128+97.98	42.00' R	691.01	319671.24	503527.27
156	1129+02.98	42.00' R	691.30	319675.47	503524.60
157	1129+07.98	42.00' R	691.60	319679.70	503521.94
158	1128+82.98	48.00' R	691.36	319661.74	503540.33
159	1128+87.98	48.00' R	691.21	319665.97	503537.67
160	1128+92.98	48.00' R	691.06	319670.20	503535.01
161	1128+97.98	48.00' R	691.10	319674.43	503532.34
162	1129+02.98	48.00' R	691.33	319678.66	503529.68
163	1129+07.98	48.00' R	691.57	319682.89	503527.02
164	1128+87.98	27.70' L	690.86	319625.65	503473.60

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 52	E



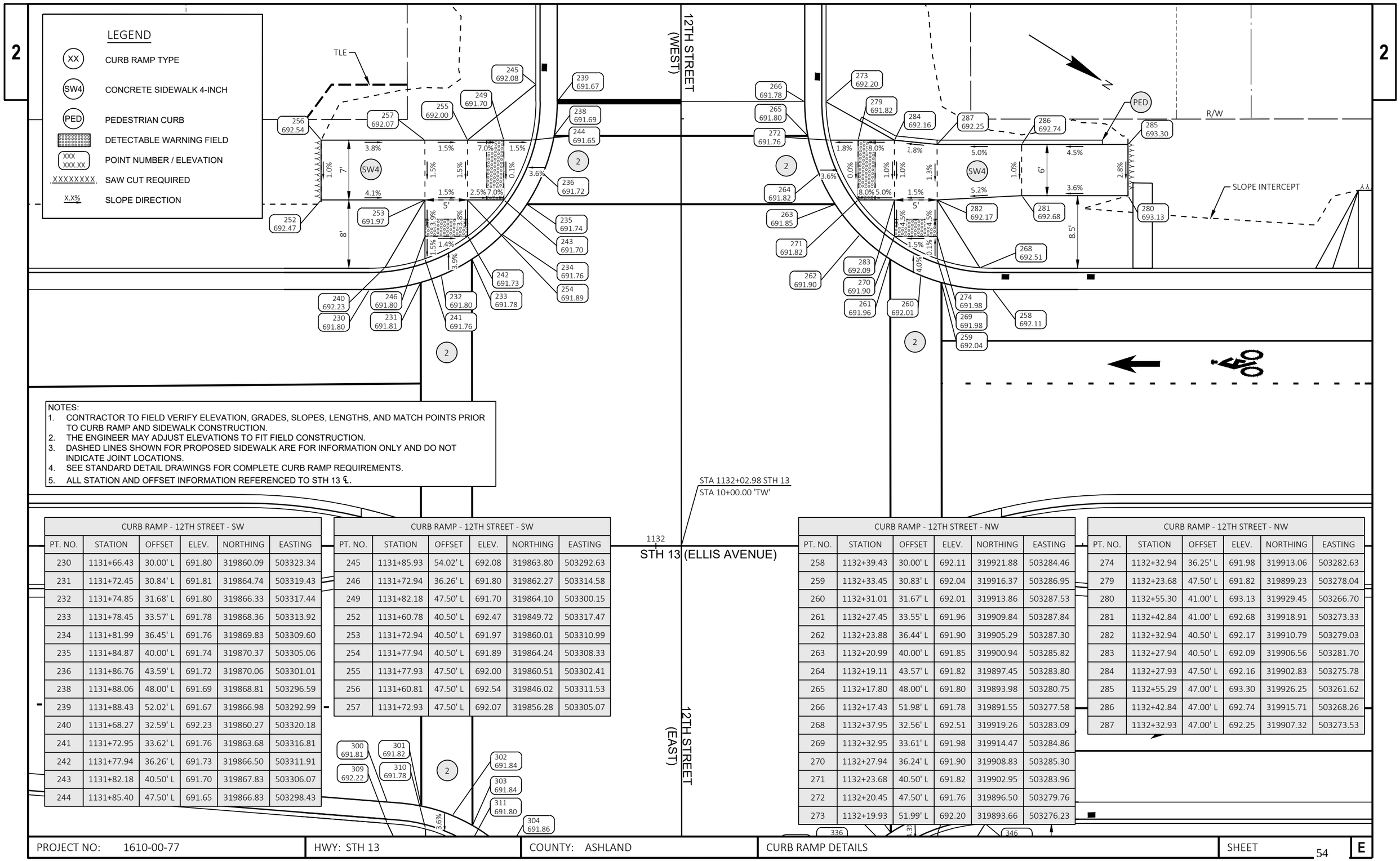
CURB RAMP - NORTHLAND COLLEGE (N) - SW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
170	1129+49.37	29.80' L	690.89	319676.49	503439.12
171	1129+59.78	31.48' L	690.88	319684.40	503432.16
172	1129+62.59	32.49' L	690.86	319686.25	503429.81
173	1129+72.47	38.60' L	690.89	319691.35	503419.38
174	1129+73.98	40.00' L	690.91	319691.88	503417.39
175	1129+78.97	46.20' L	691.00	319692.80	503409.48
176	1129+80.03	48.00' L	691.14	319692.74	503407.39
177	1129+84.03	59.93' L	0.00	319689.77	503395.17
178	1129+70.85	40.50' L	690.85	319688.97	503418.63
179	1129+76.83	47.50' L	690.97	319690.30	503409.52
180	1129+68.48	38.61' L	691.26	319687.98	503421.49
181	1129+78.32	50.11' L	691.63	319690.17	503406.52
182	1129+67.78	40.50' L	690.89	319686.37	503420.26
183	1129+67.78	47.50' L	691.00	319682.64	503414.34
184	1129+61.78	40.50' L	691.31	319681.29	503423.46
185	1129+61.78	47.50' L	691.42	319677.57	503417.53
186	1129+56.54	40.50' L	691.47	319676.86	503426.25
187	1129+56.54	47.50' L	691.58	319673.14	503420.32
188	1129+48.60	40.50' L	691.70	319670.14	503430.48
189	1129+48.60	47.50' L	691.92	319666.41	503424.55

CURB RAMP - NORTHLAND COLLEGE (N) - NW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
200	1130+58.38	30.00' L	691.35	319768.64	503380.90
201	1130+51.42	30.68' L	691.30	319762.39	503384.03
202	1130+42.90	33.50' L	691.21	319753.68	503386.18
203	1130+35.03	38.60' L	691.31	319744.30	503386.05
204	1130+33.48	40.00' L	691.33	319742.24	503385.69
205	1130+28.08	46.55' L	691.43	319734.19	503383.02
206	1130+27.20	48.00' L	691.48	319732.67	503382.27
207	1130+22.80	60.52' L	691.79	319722.27	503374.01
208	1130+39.02	38.66' L	691.69	319747.65	503383.88
209	1130+28.91	50.07' L	691.92	319733.01	503379.60
210	1130+39.88	40.50' L	691.31	319747.40	503381.86
211	1130+39.88	47.50' L	691.42	319743.67	503375.93
212	1130+45.88	40.50' L	691.73	319752.48	503378.66
213	1130+45.88	47.50' L	691.84	319748.75	503372.74
214	1130+50.88	40.50' L	691.84	319756.71	503376.00
215	1130+50.88	47.50' L	691.95	319752.98	503370.08
216	1130+59.26	40.50' L	692.02	319763.80	503371.54
217	1130+59.26	47.50' L	692.13	319760.07	503365.61

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 53	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\021301_CR-16THTO8TH.DWG
LAYOUT NAME - 13_cr-05-NLCN
PLOT DATE : 7/27/2024 11:36 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

CURB RAMP - 12TH STREET - SW

PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
230	1131+66.43	30.00' L	691.80	319860.09	503323.34
231	1131+72.45	30.84' L	691.81	319864.74	503319.43
232	1131+74.85	31.68' L	691.80	319866.33	503317.44
233	1131+78.45	33.57' L	691.78	319868.36	503313.92
234	1131+81.99	36.45' L	691.76	319869.83	503309.60
235	1131+84.87	40.00' L	691.74	319870.37	503305.06
236	1131+86.76	43.59' L	691.72	319870.06	503301.01
238	1131+88.06	48.00' L	691.69	319868.81	503296.59
239	1131+88.43	52.02' L	691.67	319866.98	503292.99
240	1131+68.27	32.59' L	692.23	319860.27	503320.18
241	1131+72.95	33.62' L	691.76	319863.68	503316.81
242	1131+77.94	36.26' L	691.73	319866.50	503311.91
243	1131+82.18	40.50' L	691.70	319867.83	503306.07
244	1131+85.40	47.50' L	691.65	319866.83	503298.43

CURB RAMP - 12TH STREET - SW

PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
245	1131+85.93	54.02' L	692.08	319863.80	503292.63
246	1131+72.94	36.26' L	691.80	319862.27	503314.58
249	1131+82.18	47.50' L	691.70	319864.10	503300.15
252	1131+60.78	40.50' L	692.47	319849.72	503317.47
253	1131+72.94	40.50' L	691.97	319860.01	503310.99
254	1131+77.94	40.50' L	691.89	319864.24	503308.33
255	1131+77.93	47.50' L	692.00	319860.51	503302.41
256	1131+60.81	47.50' L	692.54	319846.02	503311.53
257	1131+72.93	47.50' L	692.07	319856.28	503305.07

CURB RAMP - 12TH STREET - NW

PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
258	1132+39.43	30.00' L	692.11	319921.88	503284.46
259	1132+33.45	30.83' L	692.04	319916.37	503286.95
260	1132+31.01	31.67' L	692.01	319913.86	503287.53
261	1132+27.45	33.55' L	691.96	319909.84	503287.84
262	1132+23.88	36.44' L	691.90	319905.29	503287.30
263	1132+20.99	40.00' L	691.85	319900.94	503285.82
264	1132+19.11	43.57' L	691.82	319897.45	503283.80
265	1132+17.80	48.00' L	691.80	319893.98	503280.75
266	1132+17.43	51.98' L	691.78	319891.55	503277.58
268	1132+37.95	32.56' L	692.51	319919.26	503283.09
269	1132+32.95	33.61' L	691.98	319914.47	503284.86
270	1132+27.94	36.24' L	691.90	319908.83	503285.30
271	1132+23.68	40.50' L	691.82	319902.95	503283.96
272	1132+20.45	47.50' L	691.76	319896.50	503279.76
273	1132+19.93	51.99' L	692.20	319893.66	503276.23

CURB RAMP - 12TH STREET - NW

PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
274	1132+32.94	36.25' L	691.98	319913.06	503282.63
279	1132+23.68	47.50' L	691.82	319899.23	503278.04
280	1132+55.30	41.00' L	693.13	319929.45	503266.70
281	1132+42.84	41.00' L	692.68	319918.91	503273.33
282	1132+32.94	40.50' L	692.17	319910.79	503279.03
283	1132+27.94	40.50' L	692.09	319906.56	503281.70
284	1132+27.93	47.50' L	692.16	319902.83	503275.78
285	1132+55.29	47.00' L	693.30	319926.25	503261.62
286	1132+42.84	47.00' L	692.74	319915.71	503268.26
287	1132+32.93	47.00' L	692.25	319907.32	503273.53

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 54	E

CURB RAMP - 12TH STREET - SE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
300	1131+68.52	30.00' R	691.81	319893.82	503373.01
301	1131+72.50	30.46' R	691.82	319897.44	503371.28
302	1131+76.15	31.57' R	691.84	319901.11	503370.28
303	1131+78.51	32.73' R	691.84	319903.73	503370.01
304	1131+82.62	35.88' R	691.86	319908.88	503370.48
305	1131+86.32	40.94' R	691.88	319914.71	503372.79
306	1131+86.58	41.47' R	691.88	319915.22	503373.10
307	1131+88.46	48.46' R	691.96	319920.53	503378.02
308	1131+88.52	50.05' R	692.00	319921.42	503379.32
309	1131+68.52	32.50' R	692.22	319895.15	503375.13
310	1131+73.01	33.08' R	691.78	319899.26	503373.23
311	1131+78.01	35.36' R	691.80	319904.70	503372.49
312	1131+84.05	42.00' R	691.83	319913.36	503374.89
313	1131+85.90	48.00' R	691.90	319918.12	503378.99

CURB RAMP - 12TH STREET - SE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
314	1131+86.03	54.09' R	692.50	319921.46	503384.07
315	1131+73.01	35.36' R	691.82	319900.47	503375.16
320	1131+84.09	48.00' R	691.92	319916.58	503379.95
321	1131+63.01	42.00' R	692.43	319895.55	503386.10
322	1131+73.01	42.00' R	692.28	319904.01	503380.77
323	1131+78.01	42.00' R	692.25	319908.25	503378.11
324	1131+63.02	48.00' R	692.55	319898.75	503391.18
325	1131+73.02	48.00' R	692.37	319907.22	503385.85
326	1131+78.02	48.00' R	692.34	319911.45	503383.19
327	1131+88.53	58.58' R	0.00	319925.98	503386.55

CURB RAMP - 12TH STREET - NE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
330	1132+17.53	54.02' R	691.80	319948.09	503367.24
331	1132+17.52	52.02' R	691.81	319947.02	503365.55
332	1132+17.88	48.04' R	691.83	319945.21	503361.99
333	1132+19.19	43.59' R	691.84	319943.95	503357.53
334	1132+20.45	41.03' R	691.86	319943.65	503354.69
335	1132+20.71	40.60' R	691.86	319943.63	503354.19
336	1132+23.96	36.45' R	691.93	319944.18	503348.94
337	1132+27.51	33.57' R	691.99	319945.65	503344.62
338	1132+31.10	31.68' R	692.04	319947.68	503341.10
339	1132+33.50	30.84' R	692.07	319949.27	503339.11
340	1132+39.52	30.00' R	692.11	319953.91	503335.19
341	1132+20.02	52.02' R	692.23	319949.14	503364.21
342	1132+20.55	47.50' R	691.79	319947.18	503360.11
343	1132+23.09	41.50' R	691.82	319946.13	503353.68
344	1132+28.01	36.26' R	691.93	319947.50	503346.63

CURB RAMP - 12TH STREET - NE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
345	1132+33.01	33.62' R	692.01	319950.33	503341.73
346	1132+38.57	32.52' R	692.52	319954.45	503337.84
347	1132+23.11	47.50' R	691.82	319949.35	503358.74
352	1132+33.01	36.26' R	692.00	319951.73	503343.96
353	1132+28.02	47.50' R	692.17	319953.50	503356.13
354	1132+28.01	41.50' R	692.11	319950.30	503351.06
355	1132+33.03	47.50' R	692.24	319957.74	503353.46
356	1132+33.01	41.50' R	692.18	319954.53	503348.39
357	1132+50.37	47.50' R	693.36	319972.41	503344.23
358	1132+50.32	41.56' R	693.31	319969.21	503339.22

STA 1132+02.98 STH 13
STA 10+00.00 'TW'

1132

STH 13 (ELLIS AVENUE)

12TH STREET (EAST)

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

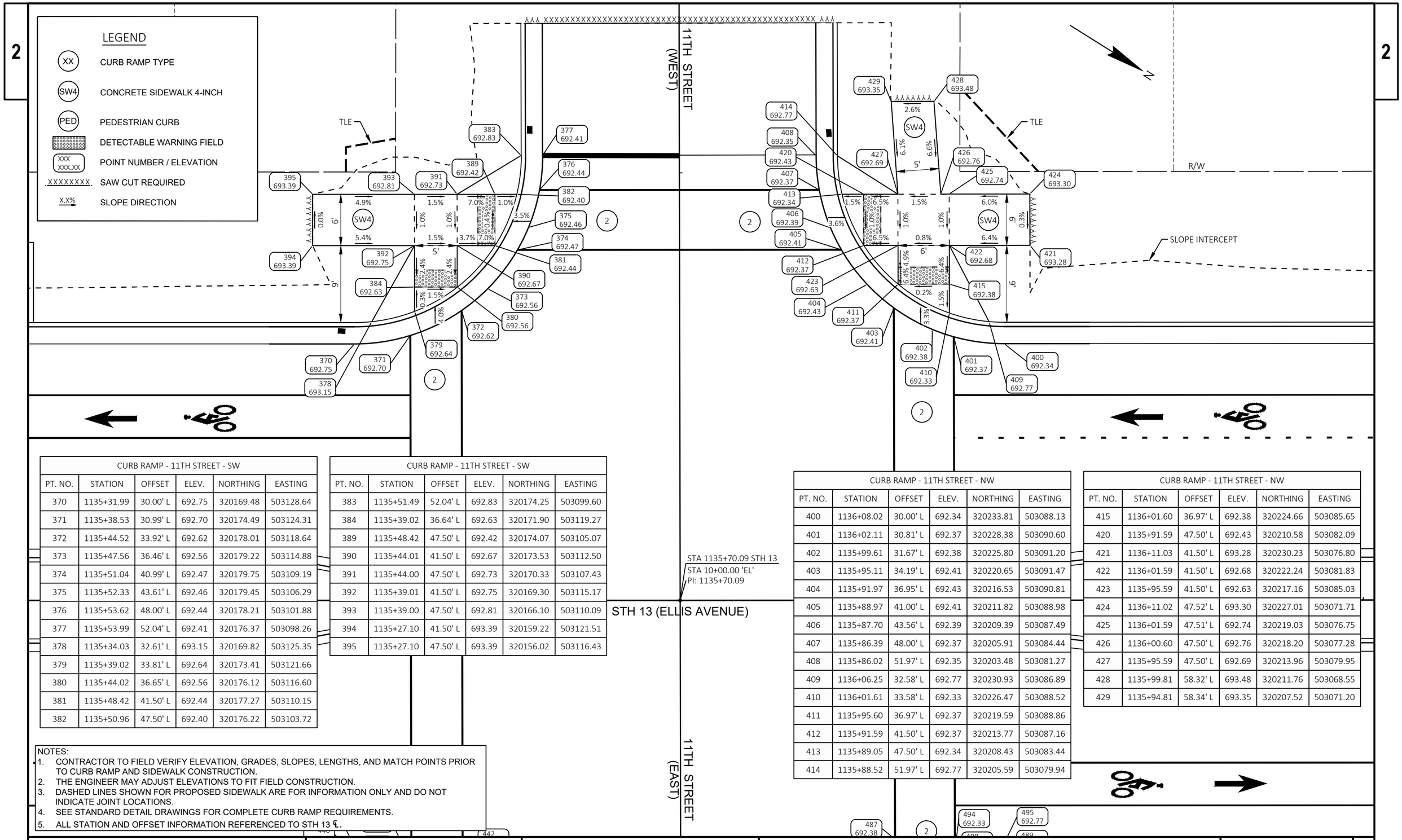
LEGEND
- XX — CURB RAMP TYPE
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — PEDESTRIAN CURB
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NUMBER / ELEVATION
- .XXXXXXXX. — SAW CUT REQUIRED
- X.X% — SLOPE DIRECTION

SLOPE INTERCEPT

R/W

TLE

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 55	E



CURB RAMP - 11TH STREET - SW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
370	1135+31.99	30.00' L	692.75	320169.48	503128.64
371	1135+38.53	30.99' L	692.70	320174.49	503124.31
372	1135+44.52	33.92' L	692.62	320178.01	503118.64
373	1135+47.56	36.46' L	692.56	320179.22	503114.88
374	1135+51.04	40.99' L	692.47	320179.75	503109.19
375	1135+52.33	43.61' L	692.46	320179.45	503106.29
376	1135+53.62	48.00' L	692.44	320178.21	503101.88
377	1135+53.99	52.04' L	692.41	320176.37	503098.26
378	1135+34.03	32.61' L	693.15	320169.82	503125.35
379	1135+39.02	33.81' L	692.64	320173.41	503121.66
380	1135+44.02	36.65' L	692.56	320176.12	503116.60
381	1135+48.42	41.50' L	692.44	320177.27	503110.15
382	1135+50.96	47.50' L	692.40	320176.22	503103.72

CURB RAMP - 11TH STREET - SW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
383	1135+51.49	52.04' L	692.83	320174.25	503099.60
384	1135+39.02	36.64' L	692.63	320171.90	503119.27
389	1135+48.42	47.50' L	692.42	320174.07	503105.07
390	1135+44.01	41.50' L	692.67	320173.53	503112.50
391	1135+44.00	47.50' L	692.73	320170.33	503107.43
392	1135+39.01	41.50' L	692.75	320169.30	503115.17
393	1135+39.00	47.50' L	692.81	320166.10	503110.09
394	1135+27.10	41.50' L	693.39	320159.22	503121.51
395	1135+27.10	47.50' L	693.39	320156.02	503116.43

CURB RAMP - 11TH STREET - NW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
400	1136+08.02	30.00' L	692.34	320233.81	503088.13
401	1136+02.11	30.81' L	692.37	320228.38	503090.60
402	1135+99.61	31.67' L	692.38	320225.80	503091.20
403	1135+95.11	34.19' L	692.41	320220.65	503091.47
404	1135+91.97	36.95' L	692.43	320216.53	503090.81
405	1135+88.97	41.00' L	692.41	320211.82	503088.98
406	1135+87.70	43.56' L	692.39	320209.39	503087.49
407	1135+86.39	48.00' L	692.37	320205.91	503084.44
408	1135+86.02	51.97' L	692.35	320203.48	503081.27
409	1136+06.25	32.58' L	692.77	320230.93	503086.89
410	1136+01.61	33.58' L	692.33	320226.47	503088.52
411	1135+95.60	36.97' L	692.37	320219.59	503088.86
412	1135+91.59	41.50' L	692.37	320213.77	503087.16
413	1135+89.05	47.50' L	692.34	320208.43	503083.44
414	1135+88.52	51.97' L	692.77	320205.59	503079.94

CURB RAMP - 11TH STREET - NW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
415	1136+01.60	36.97' L	692.38	320224.66	503085.65
420	1135+91.59	47.50' L	692.43	320210.58	503082.09
421	1136+11.03	41.50' L	693.28	320230.23	503076.80
422	1136+01.59	41.50' L	692.68	320222.24	503081.83
423	1135+95.59	41.50' L	692.63	320217.16	503085.03
424	1136+11.02	47.52' L	693.30	320227.01	503071.71
425	1136+01.59	47.51' L	692.74	320219.03	503076.75
426	1136+00.60	47.50' L	692.76	320218.20	503077.28
427	1135+95.59	47.50' L	692.69	320213.96	503079.95
428	1135+99.81	58.32' L	693.48	320211.76	503068.55
429	1135+94.81	58.34' L	693.35	320207.52	503071.20

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 56 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\021301_CR-16THTO8TH.DWG
LAYOUT NAME - 13_cr-08-11thW
PLOT DATE : 7/27/2024 11:36 AM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

CURB RAMP - 11TH STREET - SE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
440	1135+32.18	30.00' R	692.75	320201.61	503179.31
441	1135+38.64	30.97' R	692.69	320207.59	503176.69
442	1135+44.65	33.87' R	692.62	320214.22	503175.95
443	1135+47.73	36.43' R	692.56	320218.18	503176.48
444	1135+51.22	40.97' R	692.47	320223.56	503178.46
445	1135+52.50	43.55' R	692.46	320226.02	503179.97
446	1135+53.82	48.00' R	692.43	320229.50	503183.03
447	1135+54.18	51.96' R	692.41	320231.92	503186.18
448	1135+34.15	32.60' R	693.15	320204.65	503180.47
449	1135+39.15	33.79' R	692.64	320209.52	503178.81
450	1135+44.15	36.61' R	692.56	320215.26	503178.53
451	1135+48.62	41.50' R	692.44	320221.64	503180.30
452	1135+51.16	47.50' R	692.39	320226.99	503184.02

CURB RAMP - 11TH STREET - SE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
453	1135+51.68	51.96' R	692.83	320229.81	503187.52
454	1135+39.15	36.62' R	692.63	320211.03	503181.20
459	1135+48.62	47.50' R	692.43	320224.83	503185.37
460	1135+39.16	41.50' R	692.76	320213.64	503185.33
461	1135+44.16	41.50' R	692.69	320217.87	503182.67
462	1135+39.17	47.50' R	692.82	320216.84	503190.40
463	1135+44.17	47.50' R	692.74	320221.08	503187.74
464	1135+27.91	41.50' R	693.43	320204.11	503191.33
465	1135+27.92	47.50' R	693.52	320207.32	503196.40

STA 1135+70.09 STH 13
STA 10+00.00 'EL'
PI: 1135+70.09

STH 13 (ELLIS AVENUE)

11TH STREET (EAST)

CURB RAMP - 11TH STREET - NE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
480	1135+86.15	52.03' R	692.60	320259.04	503169.19
481	1135+86.52	48.00' R	692.55	320257.20	503165.58
482	1135+87.82	43.60' R	692.49	320255.95	503161.17
483	1135+89.10	41.00' R	692.46	320255.65	503158.29
484	1135+89.33	40.61' R	692.45	320255.64	503157.84
485	1135+92.59	36.45' R	692.43	320256.18	503152.58
486	1135+95.22	34.21' R	692.41	320257.20	503149.28
487	1135+99.73	31.68' R	692.38	320259.67	503144.73
488	1136+02.22	30.82' R	692.37	320261.32	503142.68
489	1136+08.15	30.00' R	692.34	320265.91	503138.82
490	1135+88.66	53.03' R	693.03	320261.69	503168.70
491	1135+89.18	47.50' R	692.49	320259.18	503163.74
492	1135+91.72	41.50' R	692.41	320258.14	503157.31
493	1135+95.72	36.98' R	692.37	320259.11	503151.35
494	1136+01.72	33.59' R	692.33	320262.38	503145.29

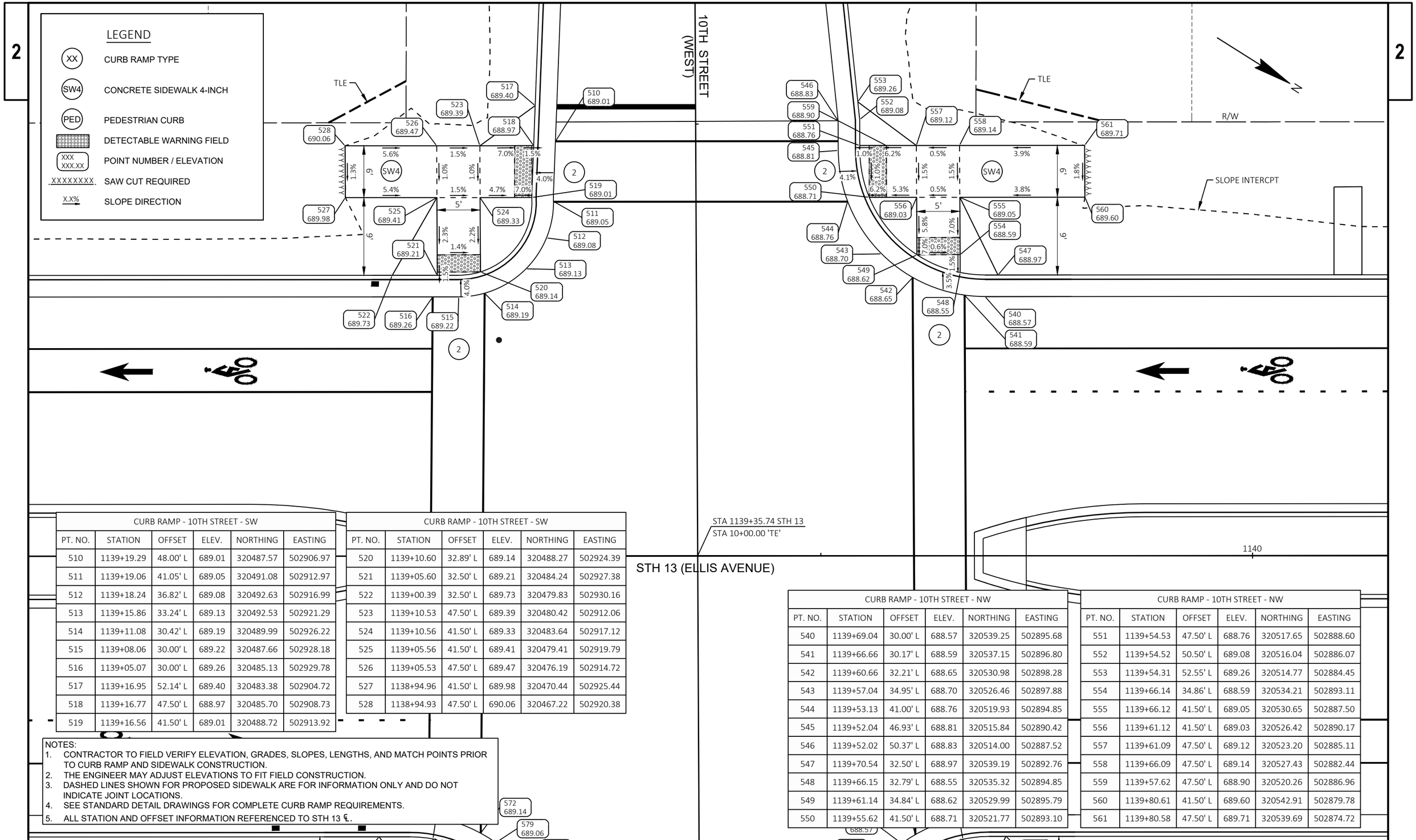
CURB RAMP - 11TH STREET - NE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
495	1136+05.96	32.62' R	692.77	320265.45	503142.22
496	1135+91.72	47.50' R	692.50	320261.33	503162.39
501	1136+01.72	36.97' R	692.37	320264.18	503148.15
502	1135+95.16	58.11' R	693.36	320269.90	503169.54
503	1135+95.72	47.50' R	692.68	320264.72	503160.26
504	1135+95.72	41.50' R	692.59	320261.52	503155.18
505	1136+01.16	58.11' R	693.55	320274.98	503166.34
506	1136+01.72	47.50' R	692.77	320269.80	503157.06
507	1136+01.72	41.50' R	692.68	320266.60	503151.98
508	1136+12.89	47.50' R	693.44	320279.24	503151.11
509	1136+12.89	41.50' R	693.27	320276.04	503146.03

LEGEND

- XX — CURB RAMP TYPE
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — PEDESTRIAN CURB
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NUMBER / ELEVATION
- XXXXXXXX — SAW CUT REQUIRED
- X.X% — SLOPE DIRECTION

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 57	E



CURB RAMP - 10TH STREET - SW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
510	1139+19.29	48.00' L	689.01	320487.57	502906.97
511	1139+19.06	41.05' L	689.05	320491.08	502912.97
512	1139+18.24	36.82' L	689.08	320492.63	502916.99
513	1139+15.86	33.24' L	689.13	320492.53	502921.29
514	1139+11.08	30.42' L	689.19	320489.99	502926.22
515	1139+08.06	30.00' L	689.22	320487.66	502928.18
516	1139+05.07	30.00' L	689.26	320485.13	502929.78
517	1139+16.95	52.14' L	689.40	320483.38	502904.72
518	1139+16.77	47.50' L	688.97	320485.70	502908.73
519	1139+16.56	41.50' L	689.01	320488.72	502913.92

CURB RAMP - 10TH STREET - SW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
520	1139+10.60	32.89' L	689.14	320488.27	502924.39
521	1139+05.60	32.50' L	689.21	320484.24	502927.38
522	1139+00.39	32.50' L	689.73	320479.83	502930.16
523	1139+10.53	47.50' L	689.39	320480.42	502912.06
524	1139+10.56	41.50' L	689.33	320483.64	502917.12
525	1139+05.56	41.50' L	689.41	320479.41	502919.79
526	1139+05.53	47.50' L	689.47	320476.19	502914.72
527	1138+94.96	41.50' L	689.98	320470.44	502925.44
528	1138+94.93	47.50' L	690.06	320467.22	502920.38

CURB RAMP - 10TH STREET - NW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
540	1139+69.04	30.00' L	688.57	320539.25	502895.68
541	1139+66.66	30.17' L	688.59	320537.15	502896.80
542	1139+60.66	32.21' L	688.65	320530.98	502898.28
543	1139+57.04	34.95' L	688.70	320526.46	502897.88
544	1139+53.13	41.00' L	688.76	320519.93	502894.85
545	1139+52.04	46.93' L	688.81	320515.84	502890.42
546	1139+52.02	50.37' L	688.83	320514.00	502887.52
547	1139+70.54	32.50' L	688.97	320539.19	502892.76
548	1139+66.15	32.79' L	688.55	320535.32	502894.85
549	1139+61.14	34.84' L	688.62	320529.99	502895.79
550	1139+55.62	41.50' L	688.71	320521.77	502893.10

CURB RAMP - 10TH STREET - NW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
551	1139+54.53	47.50' L	688.76	320517.65	502888.60
552	1139+54.52	50.50' L	689.08	320516.04	502886.07
553	1139+54.31	52.55' L	689.26	320514.77	502884.45
554	1139+66.14	34.86' L	688.59	320534.21	502893.11
555	1139+66.12	41.50' L	689.05	320530.65	502887.50
556	1139+61.12	41.50' L	689.03	320526.42	502890.17
557	1139+61.09	47.50' L	689.12	320523.20	502885.11
558	1139+66.09	47.50' L	689.14	320527.43	502882.44
559	1139+57.62	47.50' L	688.90	320520.26	502886.96
560	1139+80.61	41.50' L	689.60	320542.91	502879.78
561	1139+80.58	47.50' L	689.71	320539.69	502874.72

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 58	E

CURB RAMP - 10TH STREET - SE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
570	1139+02.43	30.00' R	689.29	320514.89	502981.95
571	1139+04.58	30.14' R	689.25	320516.78	502980.92
572	1139+10.59	32.08' R	689.14	320522.90	502979.36
573	1139+14.43	34.95' R	688.99	320527.67	502979.74
574	1139+18.34	41.00' R	688.79	320534.21	502982.77
575	1139+19.43	46.93' R	688.76	320538.29	502987.21
576	1139+16.96	52.01' R	689.16	320538.90	502992.82
577	1138+98.83	32.50' R	689.74	320513.17	502985.98
578	1139+05.06	32.74' R	689.15	320518.57	502982.86
579	1139+10.07	34.67' R	689.06	320523.84	502981.83
580	1139+15.85	41.50' R	688.75	320532.37	502984.52
581	1139+16.94	47.50' R	688.71	320536.48	502989.02

CURB RAMP - 10TH STREET - SE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
582	1139+15.85	47.50' R	688.72	320535.57	502989.60
583	1139+05.07	34.70' R	689.14	320519.62	502984.51
584	1139+05.10	41.50' R	689.19	320523.27	502990.25
585	1139+10.10	41.50' R	689.15	320527.50	502987.59
586	1139+10.13	47.50' R	689.12	320530.72	502992.65
587	1139+05.13	47.50' R	689.19	320526.49	502995.32
588	1139+10.18	59.14' R	689.72	320536.97	503002.47
589	1139+05.18	59.14' R	689.83	320532.74	503005.14
590	1138+84.13	47.50' R	690.42	320508.73	503006.51
591	1138+84.11	41.50' R	690.32	320505.51	503001.45

STA 1139+35.74 STH 13
STA 10+00.00 'TE'

STH 13 (ELLIS AVENUE)

CURB RAMP - 10TH STREET - NE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
600	1139+52.44	48.00' R	688.70	320566.79	502970.52
601	1139+52.44	47.07' R	688.70	320566.29	502969.73
602	1139+53.53	41.00' R	688.66	320563.98	502964.01
603	1139+57.39	35.00' R	688.63	320564.05	502956.88
604	1139+60.93	32.28' R	688.61	320565.59	502952.69
605	1139+66.92	30.19' R	688.57	320569.54	502947.73
606	1139+69.44	30.00' R	688.56	320571.57	502946.23
607	1139+54.96	52.50' R	689.14	320571.32	502972.98
608	1139+54.94	47.50' R	688.65	320568.63	502968.76
609	1139+56.02	41.50' R	688.62	320566.35	502963.11
610	1139+61.44	34.90' R	688.57	320567.42	502954.64
611	1139+66.43	32.81' R	688.53	320570.53	502950.21

CURB RAMP - 10TH STREET - NE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
612	1139+71.43	32.50' R	688.96	320574.59	502947.28
613	1139+56.02	47.50' R	688.64	320569.55	502968.19
614	1139+66.44	34.88' R	688.57	320571.64	502951.96
615	1139+66.47	41.50' R	689.01	320575.19	502957.54
616	1139+66.49	47.50' R	689.09	320578.41	502962.60
617	1139+61.49	47.50' R	689.02	320574.18	502965.27
618	1139+61.47	41.50' R	688.99	320570.96	502960.21
619	1139+79.30	41.50' R	689.78	320586.05	502950.70
620	1139+79.32	47.50' R	689.91	320589.27	502955.76
621	1139+66.58	68.04' R	690.57	320589.44	502979.94
622	1139+61.58	68.04' R	690.51	320585.21	502982.60

10TH STREET (EAST)

SLOPE INTERCEPT

CONCRETE STEPS

TLE

TLE

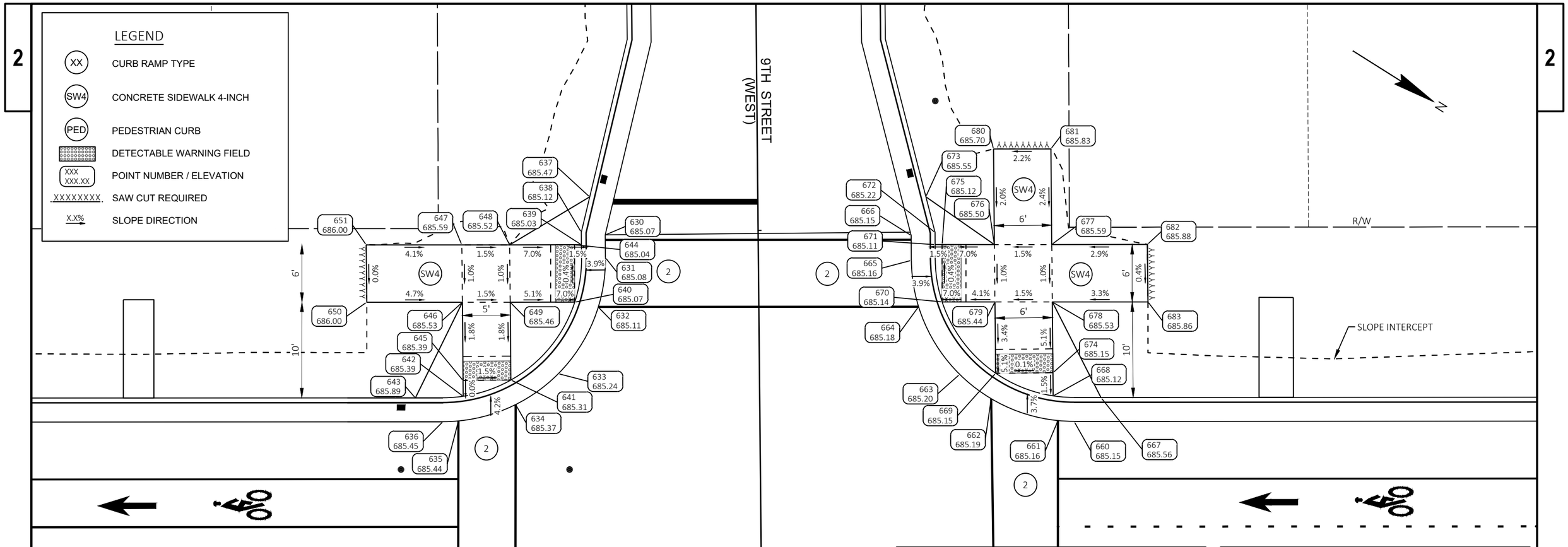
LEGEND

- XX — CURB RAMP TYPE
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — PEDESTRIAN CURB
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NUMBER / ELEVATION
- XXXXXXXX — SAW CUT REQUIRED
- X.X% — SLOPE DIRECTION

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 59	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\021301_CR-16THTO8TH.DWG
LAYOUT NAME - 13_cr-11-10thE
PLOT DATE : 7/27/2024 11:36 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



CURB RAMP - 9TH STREET - SW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
630	1142+86.24	49.53' L	685.07	320797.21	502710.05
631	1142+86.26	47.15' L	685.08	320798.50	502712.06
632	1142+85.51	42.00' L	685.11	320800.61	502716.81
633	1142+81.34	35.03' L	685.24	320800.79	502724.93
634	1142+76.87	31.80' L	685.37	320798.74	502730.05
635	1142+70.89	30.08' L	685.44	320794.59	502734.70
636	1142+69.27	30.00' L	685.45	320793.26	502735.63
637	1142+84.62	53.50' L	685.47	320793.73	502707.56
638	1142+83.74	49.81' L	685.12	320794.94	502711.15
639	1142+83.75	48.50' L	685.03	320795.65	502712.25
640	1142+83.05	42.50' L	685.07	320798.26	502717.70

CURB RAMP - 9TH STREET - SW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
641	1142+76.38	34.36' L	685.31	320796.95	502728.15
642	1142+71.39	32.66' L	685.39	320793.64	502732.25
643	1142+66.39	32.50' L	685.89	320789.50	502735.04
644	1142+83.05	48.50' L	685.04	320795.06	502712.63
645	1142+71.38	34.32' L	685.39	320792.74	502730.85
646	1142+71.30	42.50' L	685.53	320788.32	502723.96
647	1142+71.25	48.50' L	685.59	320785.08	502718.92
648	1142+76.25	48.50' L	685.52	320789.31	502716.25
649	1142+76.31	42.50' L	685.46	320792.55	502721.30
650	1142+61.30	42.50' L	686.00	320779.86	502729.30
651	1142+61.25	48.50' L	686.00	320776.62	502724.25

CURB RAMP - 9TH STREET - NW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
660	1143+35.27	30.00' L	685.15	320849.10	502700.44
661	1143+33.59	30.08' L	685.16	320847.64	502701.27
662	1143+26.61	32.37' L	685.19	320840.51	502703.05
663	1143+23.30	34.93' L	685.20	320836.35	502702.65
664	1143+19.02	42.00' L	685.18	320828.96	502698.95
665	1143+18.27	46.85' L	685.16	320825.74	502695.25
666	1143+18.25	49.45' L	685.15	320824.33	502693.06
667	1143+38.10	32.50' L	685.56	320850.16	502696.82
668	1143+33.09	32.66' L	685.12	320845.84	502699.35
669	1143+27.07	35.04' L	685.15	320839.48	502700.55
670	1143+21.48	42.50' L	685.14	320830.78	502697.21
671	1143+20.75	48.50' L	685.11	320826.96	502692.53

CURB RAMP - 9TH STREET - NW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
672	1143+20.74	49.77' L	685.22	320826.27	502691.46
673	1143+19.79	53.50' L	685.55	320823.48	502688.81
674	1143+33.07	35.09' L	685.15	320844.53	502697.31
675	1143+21.48	48.50' L	685.12	320827.58	502692.14
676	1143+26.95	48.50' L	685.50	320832.21	502689.22
677	1143+32.95	48.50' L	685.59	320837.28	502686.02
678	1143+33.01	42.50' L	685.53	320840.53	502691.07
679	1143+27.01	42.50' L	685.44	320835.45	502694.27
680	1143+26.87	58.50' L	685.70	320826.80	502680.81
681	1143+32.87	58.50' L	685.83	320831.88	502677.61
682	1143+42.96	48.50' L	685.88	320845.74	502680.69
683	1143+43.01	42.50' L	685.86	320848.99	502685.74

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 60	E

CURB RAMP - 9TH STREET - SE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
700	1142+69.29	30.00' R	685.45	320825.27	502786.38
701	1142+70.77	30.06' R	685.44	320826.55	502785.65
702	1142+76.77	31.73' R	685.36	320832.51	502783.86
703	1142+81.36	35.03' R	685.27	320838.16	502784.20
704	1142+85.05	40.63' R	685.17	320844.27	502786.97
705	1142+86.29	47.14' R	685.14	320848.79	502791.82
706	1142+66.18	32.50' R	685.85	320823.97	502790.15
707	1142+71.26	32.63' R	685.38	320828.34	502787.56
708	1142+76.26	34.28' R	685.30	320833.45	502786.29
709	1142+82.54	41.10' R	685.13	320842.39	502788.71

CURB RAMP - 9TH STREET - SE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
710	1142+83.79	47.10' R	685.09	320846.65	502793.12
711	1142+83.75	52.10' R	685.53	320849.28	502797.37
712	1142+82.54	47.10' R	685.10	320845.59	502793.78
713	1142+71.26	34.28' R	685.38	320829.22	502788.95
714	1142+71.26	41.10' R	685.58	320832.85	502794.72
715	1142+76.26	41.10' R	685.51	320837.08	502792.05
716	1142+76.26	47.10' R	685.54	320840.28	502797.13
717	1142+71.26	47.10' R	685.61	320836.05	502799.80
718	1142+61.26	47.10' R	686.17	320827.59	502805.13
719	1142+61.26	41.10' R	686.08	320824.39	502800.05

STA 1143+02.68 STH 13
STA 10+00.00 'NI'
PI: 10+00.00

1143

13 (ELLIS AVENUE)

CURB RAMP - 9TH STREET - NE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
730	1143+18.29	47.97' R	685.05	320876.30	502775.46
731	1143+18.30	46.86' R	685.06	320875.72	502774.52
732	1143+19.40	40.97' R	685.09	320873.51	502768.95
733	1143+23.32	34.93' R	685.12	320873.61	502761.74
734	1143+27.51	31.89' R	685.15	320875.53	502756.94
735	1143+33.56	30.09' R	685.16	320879.69	502752.19
736	1143+35.30	30.00' R	685.16	320881.11	502751.19
737	1143+20.75	52.50' R	685.45	320880.80	502777.98
738	1143+20.79	47.50' R	685.01	320878.17	502773.73
739	1143+21.88	41.50' R	685.04	320875.89	502768.07
740	1143+28.04	34.44' R	685.10	320877.34	502758.82
741	1143+33.06	32.67' R	685.12	320880.64	502754.65

CURB RAMP - 9TH STREET - NE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
742	1143+38.06	32.50' R	685.57	320884.78	502751.83
743	1143+21.88	47.50' R	685.02	320879.09	502773.15
744	1143+33.04	34.48' R	685.15	320881.60	502756.18
745	1143+32.97	41.50' R	685.46	320885.27	502762.16
746	1143+32.94	47.50' R	685.52	320888.44	502767.25
747	1143+27.94	47.50' R	685.45	320884.21	502769.92
748	1143+27.99	41.50' R	685.39	320881.06	502764.82
749	1143+27.86	57.50' R	686.00	320889.48	502778.42
750	1143+32.86	57.50' R	686.08	320893.71	502775.76
751	1143+42.94	47.50' R	686.20	320896.91	502761.92
752	1143+42.99	41.50' R	685.96	320893.75	502756.82

LEGEND

- XX — CURB RAMP TYPE
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — PEDESTRIAN CURB
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NUMBER / ELEVATION
- XXXXXXXX — SAW CUT REQUIRED
- X.X% — SLOPE DIRECTION

TLE

9TH STREET (EAST)

SLOPE INTERCEPT

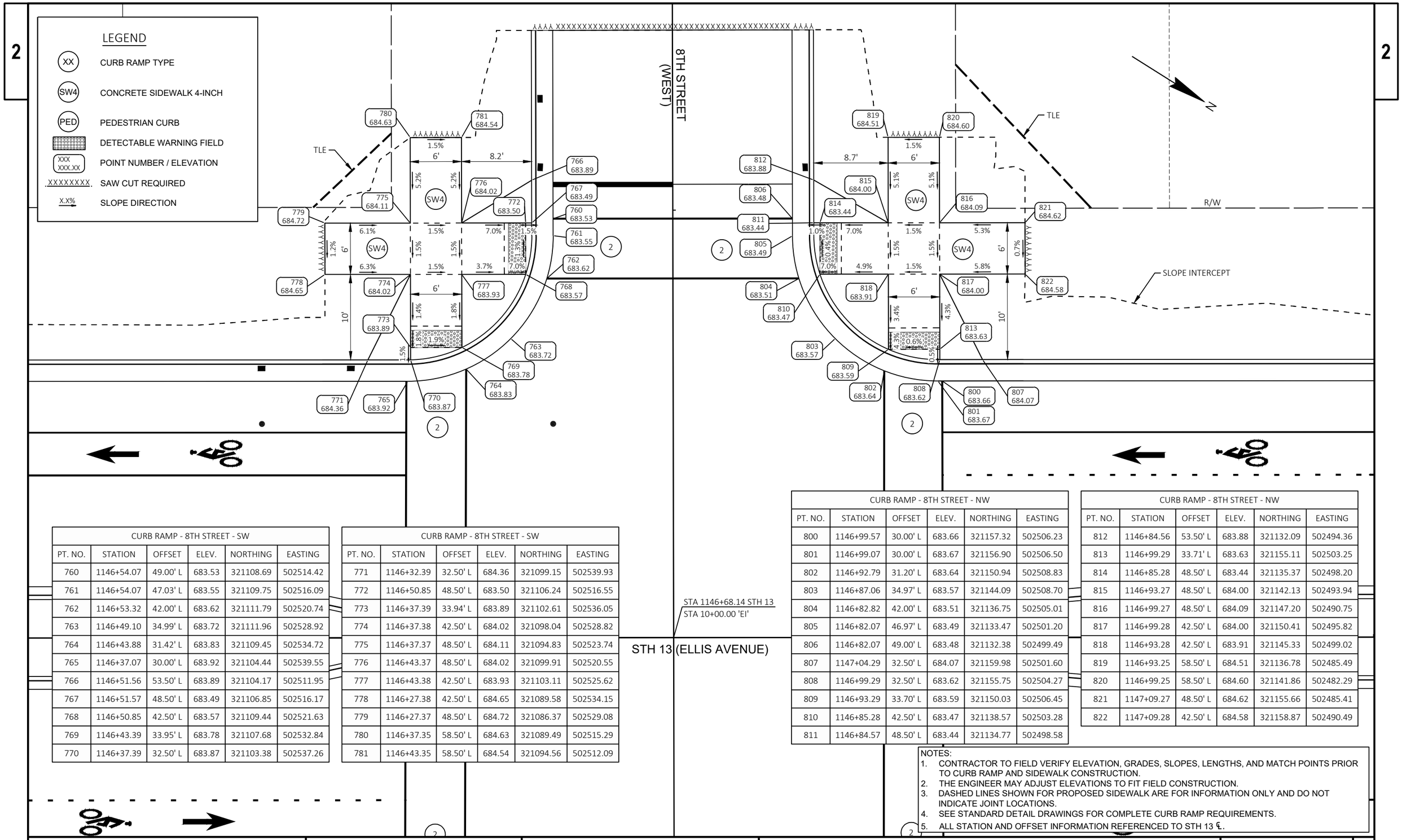
R/W

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 61	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\021301_CR-16THTO8TH.DWG
LAYOUT NAME - 13_cr-13-9thE

PLOT DATE : 7/27/2024 11:37 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT



CURB RAMP - 8TH STREET - SW

PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
760	1146+54.07	49.00' L	683.53	321108.69	502514.42
761	1146+54.07	47.03' L	683.55	321109.75	502516.09
762	1146+53.32	42.00' L	683.62	321111.79	502520.74
763	1146+49.10	34.99' L	683.72	321111.96	502528.92
764	1146+43.88	31.42' L	683.83	321109.45	502534.72
765	1146+37.07	30.00' L	683.92	321104.44	502539.55
766	1146+51.56	53.50' L	683.89	321104.17	502511.95
767	1146+51.57	48.50' L	683.49	321106.85	502516.17
768	1146+50.85	42.50' L	683.57	321109.44	502521.63
769	1146+43.39	33.95' L	683.78	321107.68	502532.84
770	1146+37.39	32.50' L	683.87	321103.38	502537.26

CURB RAMP - 8TH STREET - SW

PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
771	1146+32.39	32.50' L	684.36	321099.15	502539.93
772	1146+50.85	48.50' L	683.50	321106.24	502516.55
773	1146+37.39	33.94' L	683.89	321102.61	502536.05
774	1146+37.38	42.50' L	684.02	321098.04	502528.82
775	1146+37.37	48.50' L	684.11	321094.83	502523.74
776	1146+43.37	48.50' L	684.02	321099.91	502520.55
777	1146+43.38	42.50' L	683.93	321103.11	502525.62
778	1146+27.38	42.50' L	684.65	321089.58	502534.15
779	1146+27.37	48.50' L	684.72	321086.37	502529.08
780	1146+37.35	58.50' L	684.63	321089.49	502515.29
781	1146+43.35	58.50' L	684.54	321094.56	502512.09

CURB RAMP - 8TH STREET - NW

PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
800	1146+99.57	30.00' L	683.66	321157.32	502506.23
801	1146+99.07	30.00' L	683.67	321156.90	502506.50
802	1146+92.79	31.20' L	683.64	321150.94	502508.83
803	1146+87.06	34.97' L	683.57	321144.09	502508.70
804	1146+82.82	42.00' L	683.51	321136.75	502505.01
805	1146+82.07	46.97' L	683.49	321133.47	502501.20
806	1146+82.07	49.00' L	683.48	321132.38	502499.49
807	1147+04.29	32.50' L	684.07	321159.98	502501.60
808	1146+99.29	32.50' L	683.62	321155.75	502504.27
809	1146+93.29	33.70' L	683.59	321150.03	502506.45
810	1146+85.28	42.50' L	683.47	321138.57	502503.28
811	1146+84.57	48.50' L	683.44	321134.77	502498.58

CURB RAMP - 8TH STREET - NW

PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
812	1146+84.56	53.50' L	683.88	321132.09	502494.36
813	1146+99.29	33.71' L	683.63	321155.11	502503.25
814	1146+85.28	48.50' L	683.44	321135.37	502498.20
815	1146+93.27	48.50' L	684.00	321142.13	502493.94
816	1146+99.27	48.50' L	684.09	321147.20	502490.75
817	1146+99.28	42.50' L	684.00	321150.41	502495.82
818	1146+93.28	42.50' L	683.91	321145.33	502499.02
819	1146+93.25	58.50' L	684.51	321136.78	502485.49
820	1146+99.25	58.50' L	684.60	321141.86	502482.29
821	1147+09.27	48.50' L	684.62	321155.66	502485.41
822	1147+09.28	42.50' L	684.58	321158.87	502490.49

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 62	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\021301_CR-16THTO8TH.DWG
LAYOUT NAME - 13_cr-14-8thW
PLOT DATE : 7/27/2024 11:37 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

CURB RAMP - 8TH STREET - SE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
830	1146+36.70	30.00' R	683.92	321136.11	502590.52
831	1146+39.70	30.00' R	683.91	321138.66	502588.91
832	1146+43.70	30.75' R	683.88	321142.44	502587.42
833	1146+47.48	33.22' R	683.79	321146.95	502587.49
834	1146+50.70	40.98' R	683.68	321153.82	502592.34
835	1146+50.70	41.44' R	683.68	321154.06	502592.73
836	1146+51.64	48.00' R	683.64	321158.35	502597.78
837	1146+32.19	32.50' R	684.36	321133.63	502595.03
838	1146+37.19	32.50' R	683.87	321137.86	502592.37
839	1146+43.19	33.25' R	683.82	321143.34	502589.80
840	1146+48.20	41.50' R	683.63	321151.98	502594.11
841	1146+49.04	47.50' R	683.62	321155.88	502598.74

CURB RAMP - 8TH STREET - SE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
842	1146+49.75	52.50' R	684.04	321159.15	502602.59
843	1146+37.19	33.26' R	683.88	321138.27	502593.01
844	1146+48.20	47.50' R	683.63	321155.18	502599.19
845	1146+43.21	47.50' R	683.98	321150.96	502601.85
846	1146+37.21	47.50' R	684.07	321145.88	502605.05
847	1146+37.20	41.50' R	683.98	321142.67	502599.98
848	1146+43.20	41.50' R	683.95	321147.75	502596.78
849	1146+43.23	62.50' R	684.81	321158.96	502614.53
850	1146+37.23	62.50' R	684.97	321153.89	502617.73
851	1146+22.21	47.51' R	685.03	321133.19	502613.05
852	1146+22.20	41.51' R	684.92	321129.99	502607.98

STA 1146+68.14 STH 13
STA 10+00.00 'EI'

STH 13 (ELLIS AVENUE)

CURB RAMP - 8TH STREET - NE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
860	1146+83.97	48.00' R	683.52	321185.71	502580.54
861	1146+84.41	44.73' R	683.54	321184.34	502577.54
862	1146+85.35	41.00' R	683.56	321183.14	502573.88
863	1146+90.07	34.20' R	683.60	321183.51	502565.62
864	1146+92.70	32.31' R	683.62	321184.73	502562.62
865	1146+99.69	30.07' R	683.66	321189.44	502557.00
866	1147+01.26	30.00' R	683.66	321190.74	502556.10
867	1146+85.89	52.50' R	683.92	321189.73	502583.33
868	1146+86.56	47.50' R	683.48	321187.63	502578.74
869	1146+87.84	41.50' R	683.51	321185.52	502572.98
870	1146+93.19	34.95' R	683.57	321186.55	502564.59
871	1146+99.19	32.65' R	683.61	321190.40	502559.44

CURB RAMP - 8TH STREET - NE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
872	1147+04.19	32.50' R	684.07	321194.55	502556.65
873	1146+87.84	47.50' R	683.49	321188.71	502578.06
874	1146+99.19	34.94' R	683.65	321191.62	502561.38
875	1146+99.20	41.50' R	683.87	321195.13	502566.92
876	1146+99.21	47.50' R	683.96	321198.33	502572.00
877	1146+93.21	47.50' R	683.87	321193.26	502575.19
878	1146+93.20	41.50' R	683.78	321190.05	502570.12
879	1147+09.20	41.50' R	684.52	321203.59	502561.59
880	1147+09.21	47.50' R	684.54	321206.80	502566.66
881	1146+99.23	57.50' R	684.61	321203.68	502580.45
882	1146+94.07	57.50' R	684.51	321199.32	502583.20
883	1146+93.22	53.83' R	684.27	321196.64	502580.54

8TH STREET (EAST)

SLOPE INTERCEPT

R/W

TLE

TLE

PED

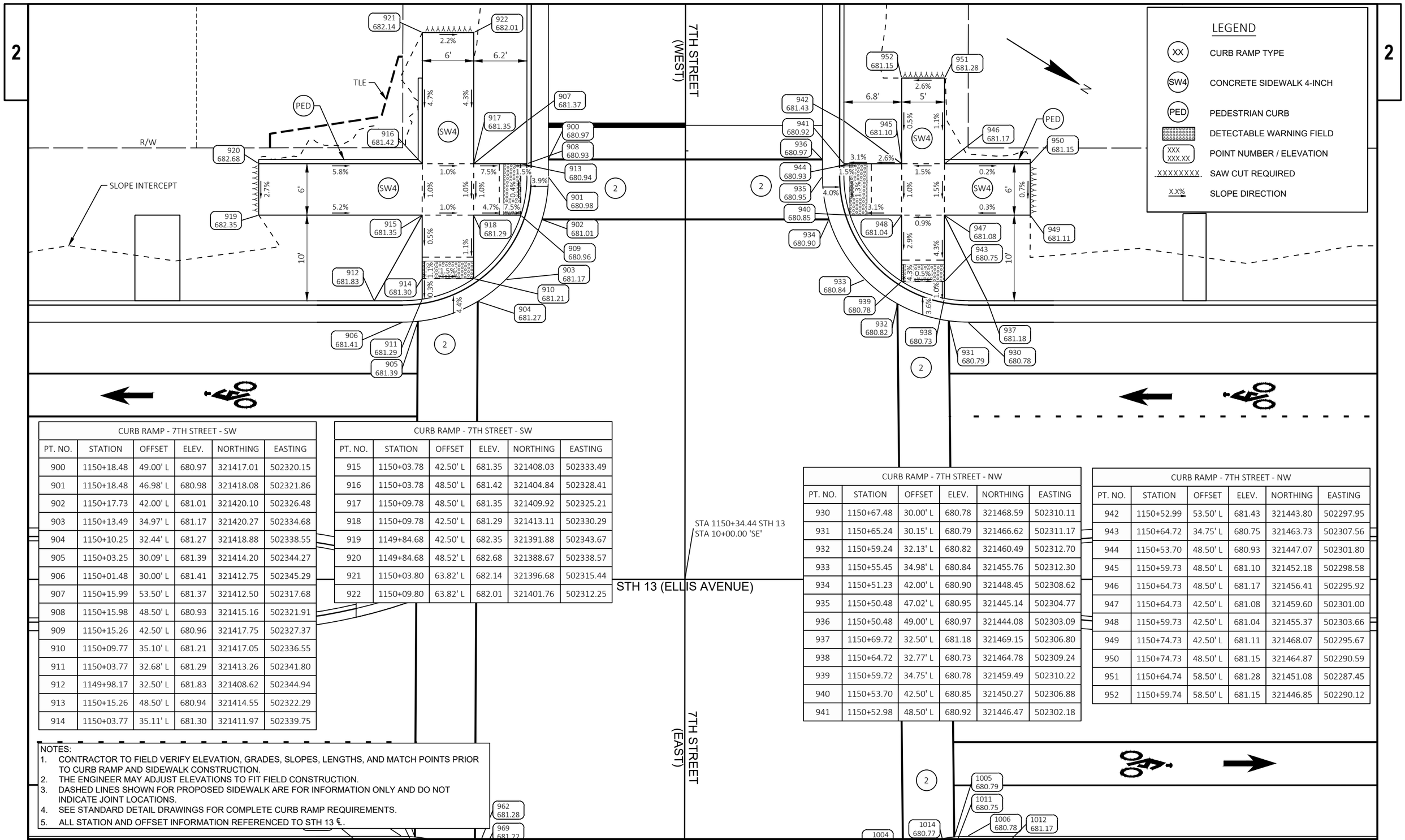
SW4

LEGEND

- XX — CURB RAMP TYPE
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — PEDESTRIAN CURB
- DETECTABLE WARNING FIELD
- XXX XXX.XX — POINT NUMBER / ELEVATION
- XXXXXXXX — SAW CUT REQUIRED
- X.X% — SLOPE DIRECTION

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 63	E



CURB RAMP - 7TH STREET - SW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
900	1150+18.48	49.00' L	680.97	321417.01	502320.15
901	1150+18.48	46.98' L	680.98	321418.08	502321.86
902	1150+17.73	42.00' L	681.01	321420.10	502326.48
903	1150+13.49	34.97' L	681.17	321420.27	502334.68
904	1150+10.25	32.44' L	681.27	321418.88	502338.55
905	1150+03.25	30.09' L	681.39	321414.20	502344.27
906	1150+01.48	30.00' L	681.41	321412.75	502345.29
907	1150+15.99	53.50' L	681.37	321412.50	502317.68
908	1150+15.98	48.50' L	680.93	321415.16	502321.91
909	1150+15.26	42.50' L	680.96	321417.75	502327.37
910	1150+09.77	35.10' L	681.21	321417.05	502336.55
911	1150+03.77	32.68' L	681.29	321413.26	502341.80
912	1149+98.17	32.50' L	681.83	321408.62	502344.94
913	1150+15.26	48.50' L	680.94	321414.55	502322.29
914	1150+03.77	35.11' L	681.30	321411.97	502339.75

CURB RAMP - 7TH STREET - SW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
915	1150+03.78	42.50' L	681.35	321408.03	502333.49
916	1150+03.78	48.50' L	681.42	321404.84	502328.41
917	1150+09.78	48.50' L	681.35	321409.92	502325.21
918	1150+09.78	42.50' L	681.29	321413.11	502330.29
919	1149+84.68	42.50' L	682.35	321391.88	502343.67
920	1149+84.68	48.52' L	682.68	321388.67	502338.57
921	1150+03.80	63.82' L	682.14	321396.68	502315.44
922	1150+09.80	63.82' L	682.01	321401.76	502312.25

CURB RAMP - 7TH STREET - NW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
930	1150+67.48	30.00' L	680.78	321468.59	502310.11
931	1150+65.24	30.15' L	680.79	321466.62	502311.17
932	1150+59.24	32.13' L	680.82	321460.49	502312.70
933	1150+55.45	34.98' L	680.84	321455.76	502312.30
934	1150+51.23	42.00' L	680.90	321448.45	502308.62
935	1150+50.48	47.02' L	680.95	321445.14	502304.77
936	1150+50.48	49.00' L	680.97	321444.08	502303.09
937	1150+69.72	32.50' L	681.18	321469.15	502306.80
938	1150+64.72	32.77' L	680.73	321464.78	502309.24
939	1150+59.72	34.75' L	680.78	321459.49	502310.22
940	1150+53.70	42.50' L	680.85	321450.27	502306.88
941	1150+52.98	48.50' L	680.92	321446.47	502302.18

CURB RAMP - 7TH STREET - NW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
942	1150+52.99	53.50' L	681.43	321443.80	502297.95
943	1150+64.72	34.75' L	680.75	321463.73	502307.56
944	1150+53.70	48.50' L	680.93	321447.07	502301.80
945	1150+59.73	48.50' L	681.10	321452.18	502298.58
946	1150+64.73	48.50' L	681.17	321456.41	502295.92
947	1150+64.73	42.50' L	681.08	321459.60	502301.00
948	1150+59.73	42.50' L	681.04	321455.37	502303.66
949	1150+74.73	42.50' L	681.11	321468.07	502295.67
950	1150+74.73	48.50' L	681.15	321464.87	502290.59
951	1150+64.74	58.50' L	681.28	321451.08	502287.45
952	1150+59.74	58.50' L	681.15	321446.85	502290.12

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 64	E

CURB RAMP - 7TH STREET - SE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
960	1150+01.39	30.00' R	681.42	321444.67	502396.10
961	1150+02.92	30.07' R	681.40	321446.00	502395.34
962	1150+09.92	32.29' R	681.28	321453.10	502393.50
963	1150+13.42	34.98' R	681.20	321457.50	502393.91
964	1150+17.30	41.00' R	680.99	321463.99	502396.93
965	1150+18.39	47.02' R	680.96	321468.12	502401.43
966	1150+18.39	48.00' R	680.95	321468.64	502402.27
967	1149+98.41	32.50' R	681.86	321443.47	502399.81
968	1150+03.41	32.64' R	681.34	321447.78	502397.26
969	1150+09.40	34.91' R	681.22	321454.06	502395.99
970	1150+14.81	41.50' R	680.95	321462.15	502398.68
971	1150+15.89	47.50' R	680.91	321466.26	502403.18

CURB RAMP - 7TH STREET - SE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
972	1150+15.89	52.50' R	681.35	321468.92	502407.41
973	1150+03.40	34.91' R	681.33	321448.98	502399.18
974	1150+14.81	47.50' R	680.93	321465.35	502403.75
975	1150+09.39	47.50' R	681.31	321460.76	502406.64
976	1150+03.39	47.50' R	681.40	321455.69	502409.84
977	1150+03.40	41.50' R	681.37	321452.49	502404.76
978	1150+09.40	41.50' R	681.28	321457.57	502401.56
979	1150+09.37	65.36' R	682.19	321470.27	502421.76
980	1150+03.38	65.35' R	682.24	321465.19	502424.95
981	1149+84.29	47.50' R	682.40	321439.53	502420.02
982	1149+84.29	41.50' R	682.40	321436.33	502414.95

STA 1150+34.44 STH 13
STA 10+00.00 'SE'

STH 13 (ELLIS AVENUE)

7TH STREET (EAST)

CURB RAMP - 7TH STREET - NE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1000	1150+50.39	48.00' R	680.97	321495.72	502385.21
1001	1150+50.39	46.98' R	680.96	321495.18	502384.35
1002	1150+51.49	41.00' R	680.90	321492.91	502378.70
1003	1150+55.38	34.97' R	680.85	321492.99	502371.53
1004	1150+59.88	31.75' R	680.82	321495.08	502366.40
1005	1150+65.88	30.07' R	680.79	321499.26	502361.78
1006	1150+67.39	30.00' R	680.78	321500.51	502360.92
1007	1150+52.89	52.99' R	681.44	321500.49	502388.10
1008	1150+52.89	47.50' R	680.92	321497.57	502383.45
1009	1150+53.98	41.50' R	680.85	321495.29	502377.80
1010	1150+60.40	34.30' R	680.78	321496.88	502368.28
1011	1150+65.41	32.64' R	680.75	321500.23	502364.21

CURB RAMP - 7TH STREET - NE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1012	1150+70.41	32.50' R	681.17	321504.39	502361.43
1013	1150+53.98	47.50' R	680.94	321498.48	502382.87
1014	1150+65.40	34.30' R	680.77	321501.12	502365.61
1015	1150+65.40	41.50' R	681.25	321504.95	502371.71
1016	1150+65.39	47.50' R	681.34	321508.14	502376.79
1017	1150+60.39	47.50' R	681.29	321503.91	502379.45
1018	1150+60.40	41.50' R	681.20	321500.72	502374.38
1019	1150+75.40	41.50' R	681.91	321513.41	502366.38
1020	1150+75.39	47.50' R	681.95	321516.60	502371.46
1021	1150+65.38	62.95' R	682.17	321516.37	502389.87
1022	1150+60.38	62.94' R	681.98	321512.13	502392.53

961 681.40
968 681.34
960 681.42
967 681.86
962 681.28
969 681.22
963 681.20
973 681.33
977 681.37
970 680.95
964 680.99
978 681.28
982 682.40
965 680.96
966 680.95
971 680.91
974 680.93
976 681.40
975 681.31
981 682.40
972 681.35
980 682.24
979 682.19

1005 680.79
1011 680.75
1014 680.77
1006 680.78
1012 681.17
1004 680.82
1010 680.78
1003 680.85
1002 680.90
1018
1015 681.25
1019 681.91
1009 680.85
1001 680.96
1008 680.92
1000 680.97
1013 680.94
1007 681.44
1016 681.34
1020 681.95
1017 681.29
1022 681.98
1021 682.17

SW4
TLE
SLOPE INTERCEPT
R/W

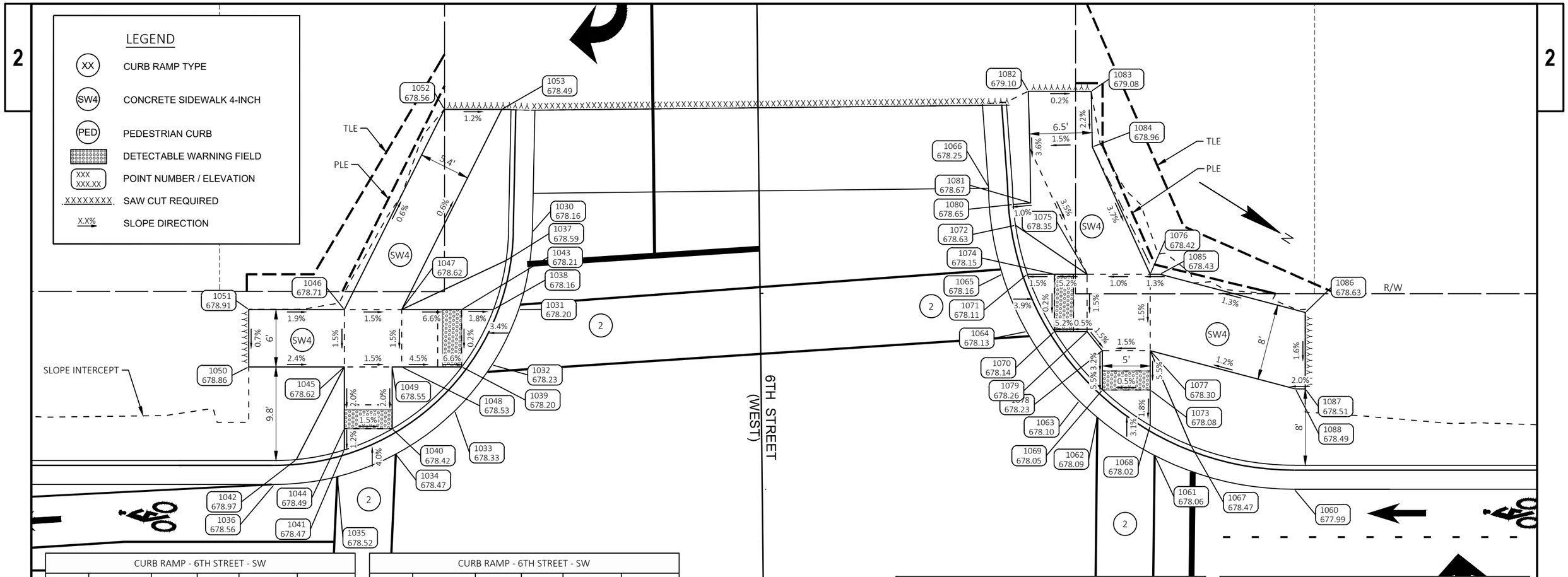
LEGEND

- XX — CURB RAMP TYPE
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — PEDESTRIAN CURB
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NUMBER / ELEVATION
- XXXXXXXX — SAW CUT REQUIRED
- X.X% — SLOPE DIRECTION

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 65	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\021302_CR-7THTOUS2.DWG PLOT DATE : 7/27/2024 1:32 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : ##########



CURB RAMP - 6TH STREET - SW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1030	1153+75.87	56.41' L	678.16	321715.43	502123.36
1031	1153+74.43	48.30' L	678.20	321718.54	502130.99
1032	1153+71.66	42.51' L	678.23	321719.28	502137.37
1033	1153+67.75	37.70' L	678.33	321718.54	502143.52
1034	1153+61.59	33.18' L	678.47	321715.73	502150.63
1035	1153+55.48	30.82' L	678.52	321711.82	502155.88
1036	1153+48.87	30.00' L	678.56	321706.67	502160.10
1037	1153+73.11	53.43' L	678.59	321714.69	502127.35
1038	1153+71.78	48.30' L	678.16	321716.29	502132.41
1039	1153+68.47	42.30' L	678.20	321716.70	502139.24
1040	1153+61.20	35.83' L	678.42	321713.99	502148.59
1041	1153+56.20	33.62' L	678.47	321710.94	502153.12

CURB RAMP - 6TH STREET - SW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1042	1153+51.19	32.61' L	678.97	321707.24	502156.65
1043	1153+68.47	48.30' L	678.21	321713.50	502134.17
1044	1153+56.20	35.83' L	678.49	321709.76	502151.26
1045	1153+56.20	42.30' L	678.62	321706.31	502145.78
1046	1153+56.20	48.30' L	678.71	321703.12	502140.71
1047	1153+62.20	48.30' L	678.62	321708.19	502137.51
1048	1153+62.20	42.30' L	678.53	321711.39	502142.58
1049	1153+61.20	42.30' L	678.55	321710.55	502143.12
1050	1153+46.20	42.30' L	678.86	321697.85	502151.11
1051	1153+46.20	48.30' L	678.91	321694.66	502146.04
1052	1153+66.67	69.25' L	678.56	321700.81	502117.41
1053	1153+72.67	69.24' L	678.49	321705.88	502114.21

CURB RAMP - 6TH STREET - NW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1060	1154+55.57	29.50' L	677.99	321797.21	502103.64
1061	1154+40.95	33.03' L	678.06	321782.96	502108.45
1062	1154+34.96	37.02' L	678.09	321775.76	502108.27
1063	1154+33.07	38.75' L	678.10	321773.24	502107.81
1064	1154+27.57	46.00' L	678.13	321764.73	502104.61
1065	1154+25.01	52.00' L	678.16	321759.36	502100.89
1066	1154+23.57	61.15' L	678.25	321753.26	502093.92
1067	1154+44.76	34.05' L	678.47	321785.64	502105.55
1068	1154+40.49	36.15' L	678.02	321780.91	502106.06
1069	1154+35.49	39.89' L	678.05	321774.68	502105.56
1070	1154+30.47	46.00' L	678.14	321767.18	502103.06
1071	1154+27.64	52.00' L	678.11	321761.59	502099.49
1072	1154+26.40	57.12' L	678.63	321757.80	502095.82
1073	1154+40.49	39.89' L	678.08	321778.91	502102.89
1074	1154+30.47	52.00' L	678.15	321763.98	502097.99

CURB RAMP - 6TH STREET - NW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1075	1154+33.90	52.00' L	678.35	321766.88	502096.16
1076	1154+40.49	52.00' L	678.42	321772.46	502092.64
1077	1154+40.49	44.00' L	678.30	321776.72	502099.41
1078	1154+35.49	44.00' L	678.23	321772.49	502102.08
1079	1154+33.90	46.00' L	678.26	321770.08	502101.23
1080	1154+26.15	59.29' L	678.65	321756.44	502094.12
1081	1154+27.99	59.46' L	678.67	321757.90	502093.00
1082	1154+27.75	71.15' L	679.10	321751.47	502083.24
1083	1154+34.32	71.13' L	679.08	321757.03	502079.75
1084	1154+34.43	65.32' L	678.96	321760.23	502084.61
1085	1154+41.53	52.00' L	678.43	321773.33	502092.09
1086	1154+56.72	48.00' L	678.63	321788.32	502087.38
1087	1154+56.72	40.00' L	678.51	321792.58	502094.15
1088	1154+55.68	40.00' L	678.49	321791.70	502094.70

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 66	E

CURB RAMP - 6TH STREET - SE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1100	1153+42.92	30.00' R	678.80	321733.62	502214.03
1101	1153+52.67	31.50' R	678.77	321742.67	502210.10
1102	1153+58.56	34.01' R	678.74	321748.99	502209.09
1103	1153+65.77	39.39' R	678.63	321757.96	502209.80
1104	1153+68.02	41.85' R	678.59	321761.17	502210.68
1105	1153+72.15	48.30' R	678.51	321768.10	502213.93
1106	1153+75.41	62.13' R	678.47	321778.24	502223.90
1107	1153+46.58	32.72' R	679.21	321738.17	502214.39
1108	1153+52.95	34.22' R	678.72	321744.35	502212.26
1109	1153+57.95	36.53' R	678.69	321749.81	502211.55
1110	1153+64.34	41.50' R	678.58	321757.88	502212.34
1110 (1)	1153+61.33	41.50' R	678.65	321755.33	502213.95
1111	1153+68.90	47.50' R	678.47	321764.93	502214.99
1112	1153+70.94	51.78' R	678.92	321768.94	502217.53
1113	1153+52.95	36.53' R	678.75	321745.58	502214.22

CURB RAMP - 6TH STREET - SE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1114	1153+64.34	47.50' R	678.55	321761.07	502217.42
1115	1153+58.95	47.50' R	678.73	321756.51	502220.30
1116	1153+52.95	47.50' R	678.81	321751.43	502223.50
1117	1153+52.95	41.50' R	678.78	321748.23	502218.42
1118	1153+57.95	41.50' R	678.72	321752.46	502215.75
1119	1153+70.34	57.14' R	678.82	321771.29	502222.38
1120	1153+72.93	62.38' R	678.89	321776.27	502225.44
1121	1153+76.68	82.43' R	679.24	321790.13	502240.40
1122	1153+69.81	82.41' R	679.19	321784.31	502244.04
1123	1153+68.08	67.71' R	679.08	321775.00	502232.53
1124	1153+65.29	60.68' R	678.91	321768.90	502228.07
1125	1153+52.95	49.75' R	678.82	321752.63	502225.40
1126	1153+49.69	49.75' R	678.93	321749.88	502227.14
1127	1153+49.69	47.50' R	678.88	321748.68	502225.23
1128	1153+43.49	47.50' R	679.03	321743.43	502228.54

CURB RAMP - 6TH STREET - SE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1129	1153+43.45	41.50' R	678.96	321740.19	502223.48

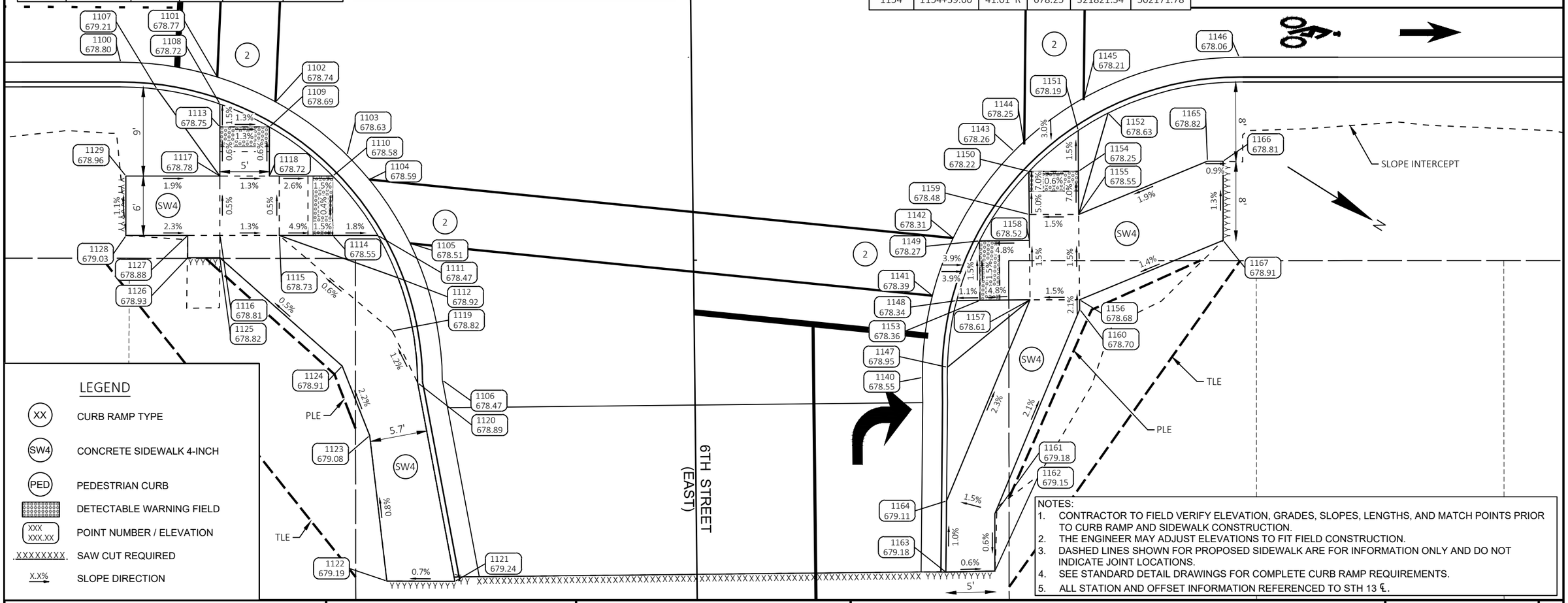
STA 1154+00.24 STH 13
STA 10+00.00 'SI'
PI: 1154+00.24

1154

STH 13
(ELLIS AVENUE)

CURB RAMP - 6TH STREET - NE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1140	1154+25.91	61.83' R	678.55	321819.12	502197.80
1141	1154+24.91	53.58' R	678.39	321815.56	502190.28
1142	1154+27.01	47.77' R	678.31	321814.23	502184.24
1143	1154+33.16	39.00' R	678.26	321814.76	502173.54
1144	1154+34.20	38.32' R	678.25	321815.28	502172.41
1145	1154+40.18	33.83' R	678.21	321817.95	502165.42
1146	1154+55.91	29.50' R	678.06	321828.95	502153.38
1147	1154+26.42	60.81' R	678.95	321820.69	502195.59
1148	1154+27.36	54.07' R	678.34	321817.89	502189.39
1149	1154+29.66	48.05' R	678.27	321816.62	502183.07
1150	1154+34.66	41.04' R	678.22	321817.12	502174.46
1151	1154+39.65	36.89' R	678.19	321819.13	502168.30
1152	1154+42.66	35.14' R	678.63	321820.75	502165.22
1153	1154+29.72	54.05' R	678.36	321819.88	502188.11
1154	1154+39.66	41.01' R	678.25	321821.34	502171.78

CURB RAMP - 6TH STREET - NE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1155	1154+39.68	45.38' R	678.55	321823.68	502175.46
1156	1154+39.78	53.99' R	678.68	321828.36	502182.70
1157	1154+34.78	53.99' R	678.61	321824.13	502185.37
1158	1154+34.71	47.99' R	678.52	321820.87	502180.33
1159	1154+34.68	45.38' R	678.48	321819.45	502178.13
1160	1154+39.79	54.96' R	678.70	321828.88	502183.52
1161	1154+31.23	75.59' R	679.18	321832.63	502205.53
1162	1154+31.22	81.40' R	679.15	321835.72	502210.45
1163	1154+26.27	81.50' R	679.18	321831.59	502213.18
1164	1154+26.34	74.32' R	679.11	321827.82	502207.06
1165	1154+52.69	40.00' R	678.82	321831.82	502163.98
1166	1154+54.28	40.00' R	678.81	321833.16	502163.13
1167	1154+54.28	48.00' R	678.91	321837.43	502169.90



LEGEND

- XX — CURB RAMP TYPE
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — PEDESTRIAN CURB
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NUMBER / ELEVATION
- XXXXXXXX — SAW CUT REQUIRED
- X.X% — SLOPE DIRECTION

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 67	E

LEGEND

- XX — CURB RAMP TYPE
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — PEDESTRIAN CURB
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NUMBER / ELEVATION
- XXXXXXXX — SAW CUT REQUIRED
- X.X% — SLOPE DIRECTION

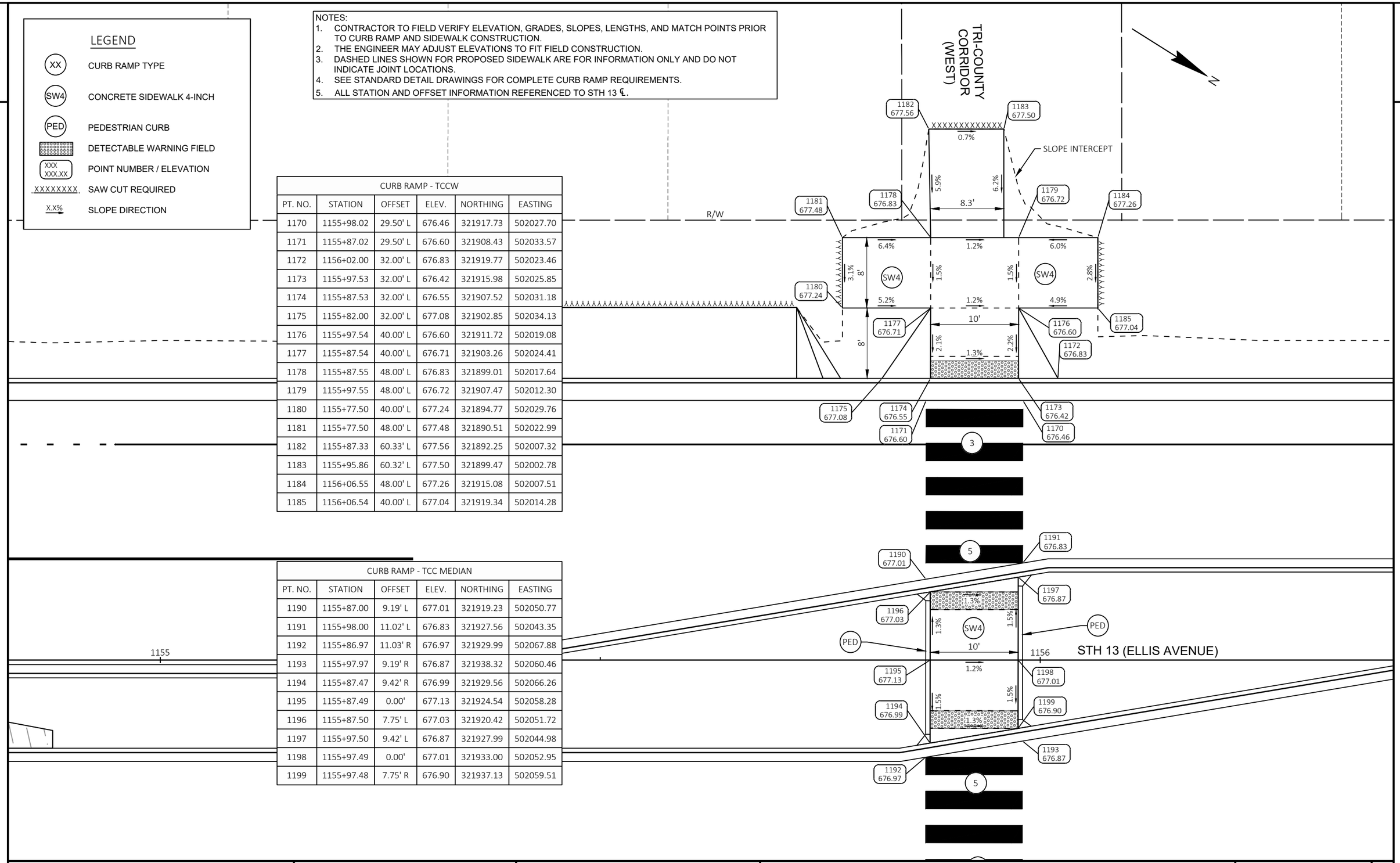
NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

CURB RAMP - TCCW

PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1170	1155+98.02	29.50' L	676.46	321917.73	502027.70
1171	1155+87.02	29.50' L	676.60	321908.43	502033.57
1172	1156+02.00	32.00' L	676.83	321919.77	502023.46
1173	1155+97.53	32.00' L	676.42	321915.98	502025.85
1174	1155+87.53	32.00' L	676.55	321907.52	502031.18
1175	1155+82.00	32.00' L	677.08	321902.85	502034.13
1176	1155+97.54	40.00' L	676.60	321911.72	502019.08
1177	1155+87.54	40.00' L	676.71	321903.26	502024.41
1178	1155+87.55	48.00' L	676.83	321899.01	502017.64
1179	1155+97.55	48.00' L	676.72	321907.47	502012.30
1180	1155+77.50	40.00' L	677.24	321894.77	502029.76
1181	1155+77.50	48.00' L	677.48	321890.51	502022.99
1182	1155+87.33	60.33' L	677.56	321892.25	502007.32
1183	1155+95.86	60.32' L	677.50	321899.47	502002.78
1184	1156+06.55	48.00' L	677.26	321915.08	502007.51
1185	1156+06.54	40.00' L	677.04	321919.34	502014.28

CURB RAMP - TCC MEDIAN

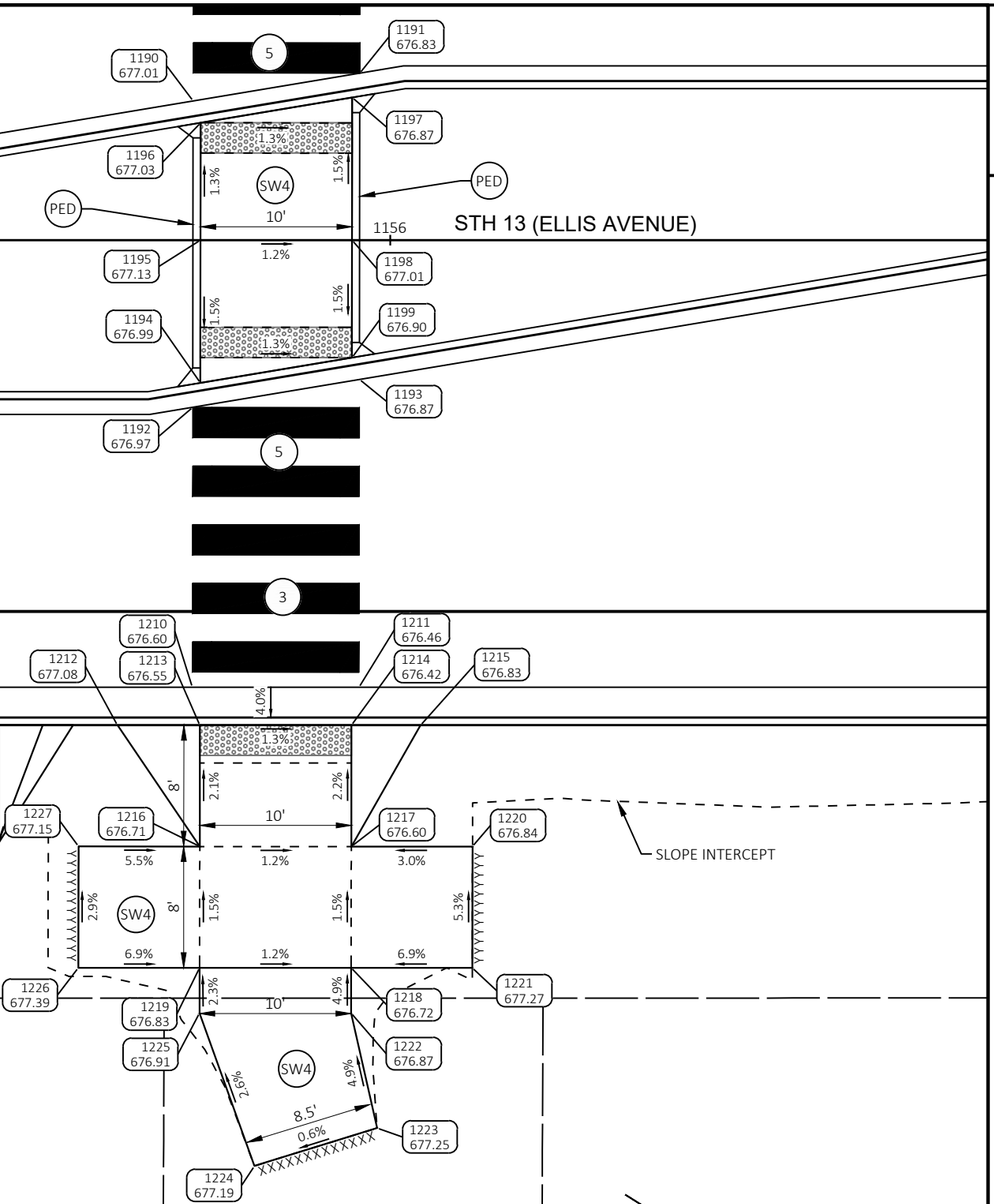
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1190	1155+87.00	9.19' L	677.01	321919.23	502050.77
1191	1155+98.00	11.02' L	676.83	321927.56	502043.35
1192	1155+86.97	11.03' R	676.97	321929.99	502067.88
1193	1155+97.97	9.19' R	676.87	321938.32	502060.46
1194	1155+87.47	9.42' R	676.99	321929.56	502066.26
1195	1155+87.49	0.00'	677.13	321924.54	502058.28
1196	1155+87.50	7.75' L	677.03	321920.42	502051.72
1197	1155+97.50	9.42' L	676.87	321927.99	502044.98
1198	1155+97.49	0.00'	677.01	321933.00	502052.95
1199	1155+97.48	7.75' R	676.90	321937.13	502059.51



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 68	E

LEGEND

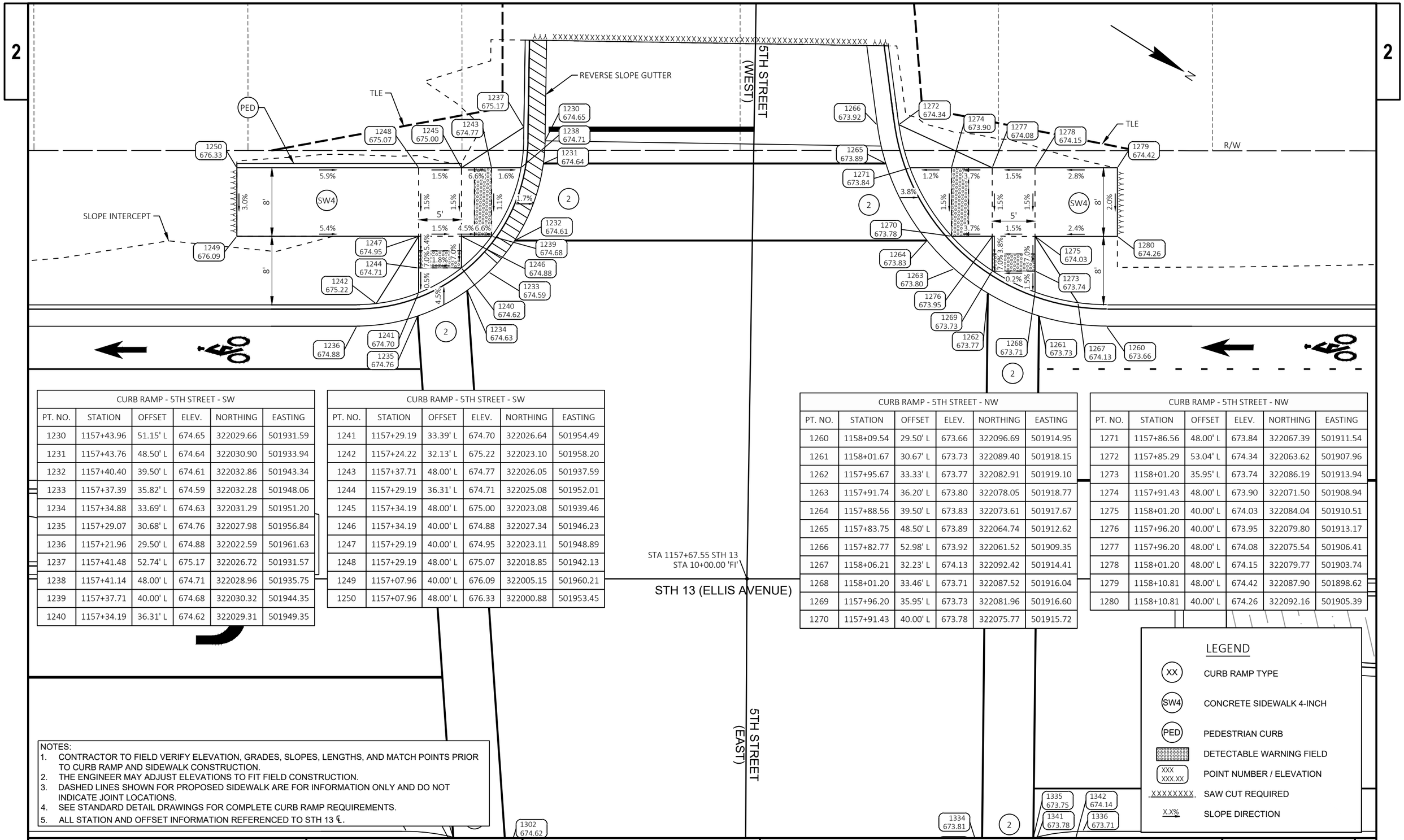
- XX — CURB RAMP TYPE
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — PEDESTRIAN CURB
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NUMBER / ELEVATION
- XXXXXXXX — SAW CUT REQUIRED
- X.X% — SLOPE DIRECTION



CURB RAMP - TCCE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1210	1155+86.95	29.50' R	676.60	321939.81	502083.52
1211	1155+97.95	29.50' R	676.46	321949.12	502077.66
1212	1155+82.00	32.00' R	677.08	321936.96	502088.27
1213	1155+87.44	32.00' R	676.55	321941.57	502085.37
1214	1155+97.44	32.00' R	676.42	321950.03	502080.04
1215	1156+02.00	32.00' R	676.83	321953.89	502077.61
1216	1155+87.43	40.00' R	676.71	321945.82	502092.15
1217	1155+97.43	40.00' R	676.60	321954.28	502086.82
1218	1155+97.42	48.00' R	676.72	321958.54	502093.59
1219	1155+87.42	48.00' R	676.83	321950.08	502098.92
1220	1156+05.43	40.00' R	676.84	321961.05	502082.55
1221	1156+05.42	48.00' R	677.27	321965.31	502089.33
1222	1155+97.42	51.00' R	676.87	321960.14	502096.13
1223	1155+99.14	58.58' R	677.25	321965.63	502101.63
1224	1155+91.05	61.08' R	677.19	321960.12	502108.06
1225	1155+87.42	51.00' R	676.91	321951.68	502101.46
1226	1155+79.42	48.00' R	677.39	321943.31	502103.19
1227	1155+79.43	40.00' R	677.15	321939.05	502096.41

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 69	E



CURB RAMP - 5TH STREET - SW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1230	1157+43.96	51.15' L	674.65	322029.66	501931.59
1231	1157+43.76	48.50' L	674.64	322030.90	501933.94
1232	1157+40.40	39.50' L	674.61	322032.86	501943.34
1233	1157+37.39	35.82' L	674.59	322032.28	501948.06
1234	1157+34.88	33.69' L	674.63	322031.29	501951.20
1235	1157+29.07	30.68' L	674.76	322027.98	501956.84
1236	1157+21.96	29.50' L	674.88	322022.59	501961.63
1237	1157+41.48	52.74' L	675.17	322026.72	501931.57
1238	1157+41.14	48.00' L	674.71	322028.96	501935.75
1239	1157+37.71	40.00' L	674.68	322030.32	501944.35
1240	1157+34.19	36.31' L	674.62	322029.31	501949.35

CURB RAMP - 5TH STREET - SW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1241	1157+29.19	33.39' L	674.70	322026.64	501954.49
1242	1157+24.22	32.13' L	675.22	322023.10	501958.20
1243	1157+37.71	48.00' L	674.77	322026.05	501937.59
1244	1157+29.19	36.31' L	674.71	322025.08	501952.01
1245	1157+34.19	48.00' L	675.00	322023.08	501939.46
1246	1157+34.19	40.00' L	674.88	322027.34	501946.23
1247	1157+29.19	40.00' L	674.95	322023.11	501948.89
1248	1157+29.19	48.00' L	675.07	322018.85	501942.13
1249	1157+07.96	40.00' L	676.09	322005.15	501960.21
1250	1157+07.96	48.00' L	676.33	322000.88	501953.45

CURB RAMP - 5TH STREET - NW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1260	1158+09.54	29.50' L	673.66	322096.69	501914.95
1261	1158+01.67	30.67' L	673.73	322089.40	501918.15
1262	1157+95.67	33.33' L	673.77	322082.91	501919.10
1263	1157+91.74	36.20' L	673.80	322078.05	501918.77
1264	1157+88.56	39.50' L	673.83	322073.61	501917.67
1265	1157+83.75	48.50' L	673.89	322064.74	501912.62
1266	1157+82.77	52.98' L	673.92	322061.52	501909.35
1267	1158+06.21	32.23' L	674.13	322092.42	501914.41
1268	1158+01.20	33.46' L	673.71	322087.52	501916.04
1269	1157+96.20	35.95' L	673.73	322081.96	501916.60
1270	1157+91.43	40.00' L	673.78	322075.77	501915.72

CURB RAMP - 5TH STREET - NW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1271	1157+86.56	48.00' L	673.84	322067.39	501911.54
1272	1157+85.29	53.04' L	674.34	322063.62	501907.96
1273	1158+01.20	35.95' L	673.74	322086.19	501913.94
1274	1157+91.43	48.00' L	673.90	322071.50	501908.94
1275	1158+01.20	40.00' L	674.03	322084.04	501910.51
1276	1157+96.20	40.00' L	673.95	322079.80	501913.17
1277	1157+96.20	48.00' L	674.08	322075.54	501906.41
1278	1158+01.20	48.00' L	674.15	322079.77	501903.74
1279	1158+10.81	48.00' L	674.42	322087.90	501898.62
1280	1158+10.81	40.00' L	674.26	322092.16	501905.39

NOTES:
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4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

LEGEND

- (XX) CURB RAMP TYPE
- (SW4) CONCRETE SIDEWALK 4-INCH
- (PED) PEDESTRIAN CURB
- DETECTABLE WARNING FIELD
- (XXX / XXX.XX) POINT NUMBER / ELEVATION
- .XXXXXXXX. SAW CUT REQUIRED
- X.X% SLOPE DIRECTION

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 70	E

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
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4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

CURB RAMP - 5TH STREET - SE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1303	1157+43.38	35.98' R	674.58	322075.62	502005.62
1304	1157+46.22	39.50' R	674.54	322079.90	502007.08
1305	1157+49.58	48.50' R	674.45	322087.54	502012.90
1306	1157+49.78	51.61' R	674.42	322089.37	502015.43
1307	1157+28.59	32.02' R	675.20	322061.00	502010.14
1308	1157+34.13	33.06' R	674.65	322066.24	502008.08
1309	1157+39.12	35.63' R	674.57	322071.83	502007.59
1310	1157+43.53	40.00' R	674.62	322077.89	502008.93
1311	1157+46.97	48.00' R	674.53	322085.06	502013.87
1312	1157+47.28	53.32' R	674.94	322088.16	502018.21
1313	1157+34.12	35.63' R	674.66	322067.60	502010.26

CURB RAMP - 5TH STREET - SE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1314	1157+43.53	48.00' R	674.58	322082.16	502015.70
1315	1157+34.10	40.00' R	674.83	322069.91	502013.96
1316	1157+39.10	40.00' R	674.76	322074.14	502011.30
1317	1157+39.06	48.00' R	674.88	322078.37	502018.09
1318	1157+34.06	48.00' R	674.95	322074.14	502020.76
1319	1157+17.57	48.00' R	675.90	322060.19	502029.54
1320	1157+17.57	40.00' R	675.71	322055.93	502022.77
1321	1157+39.97	53.53' R	675.08	322082.09	502022.28
1322	1157+39.85	58.53' R	675.41	322084.65	502026.58
1323	1157+34.85	58.40' R	675.49	322080.35	502029.13
1324	1157+34.98	53.40' R	675.16	322077.80	502024.84

STA 1157+67.55 STH 13
STA 10+00.00 'FI'

STH 13 (ELLIS AVENUE)

5TH STREET (EAST)

CURB RAMP - 5TH STREET - NE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1330	1157+84.79	51.39' R	673.98	322118.87	501996.58
1331	1157+84.99	48.50' R	673.96	322117.50	501994.03
1332	1157+88.35	39.50' R	673.88	322115.54	501984.62
1333	1157+91.27	35.90' R	673.84	322116.10	501980.02
1334	1157+94.99	32.93' R	673.81	322117.66	501975.53
1335	1158+00.99	30.28' R	673.75	322121.32	501970.08
1336	1158+06.79	29.50' R	673.71	322125.81	501966.33
1337	1157+87.28	53.33' R	674.42	322122.01	501996.89
1338	1157+87.60	48.00' R	673.91	322119.44	501992.21
1339	1157+91.04	40.00' R	673.83	322118.08	501983.61
1340	1157+95.45	35.63' R	673.77	322119.49	501977.56
1341	1158+00.45	33.06' R	673.78	322122.35	501972.72
1342	1158+05.48	32.04' R	674.14	322126.06	501969.18

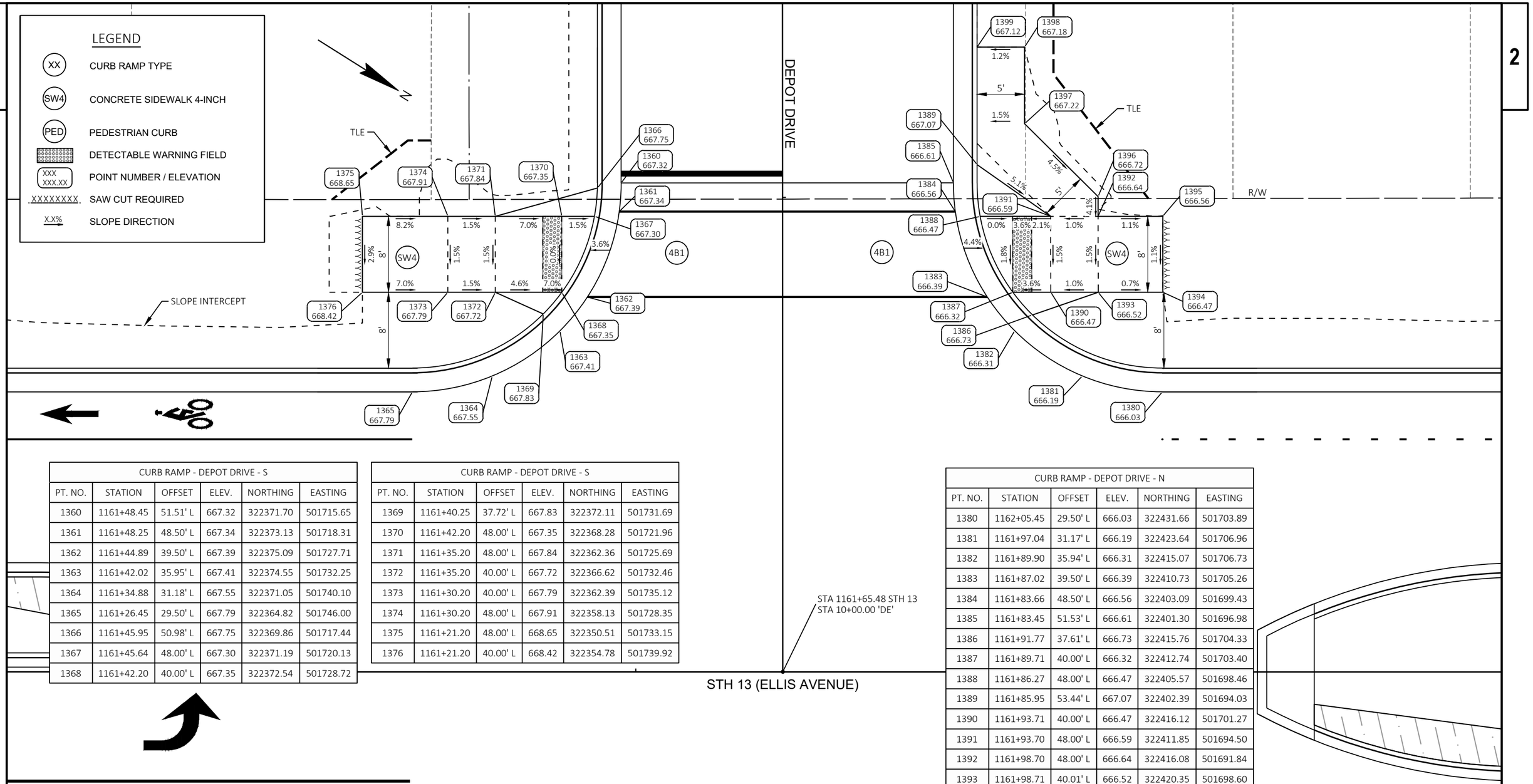
CURB RAMP - 5TH STREET - NE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1343	1157+91.04	48.00' R	673.95	322122.35	501990.38
1344	1158+00.45	35.63' R	673.82	322123.72	501974.89
1345	1158+00.45	40.00' R	674.09	322126.05	501978.59
1346	1158+00.45	48.00' R	674.21	322130.32	501985.36
1347	1157+95.45	48.00' R	674.13	322126.09	501988.02
1348	1157+95.45	40.00' R	674.01	322121.82	501981.26
1349	1158+10.45	40.00' R	674.68	322134.51	501973.26
1350	1158+10.45	48.00' R	674.79	322138.78	501980.03
1351	1157+99.57	54.31' R	674.53	322132.93	501991.17
1352	1157+94.57	54.28' R	674.49	322128.69	501993.81
1353	1157+94.55	59.28' R	674.73	322131.33	501998.05
1354	1157+99.55	59.31' R	674.78	322135.58	501995.41

LEGEND
- XX — CURB RAMP TYPE
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — PEDESTRIAN CURB
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NUMBER / ELEVATION
- XXXXXXXX — SAW CUT REQUIRED
- X.X% — SLOPE DIRECTION

TLE
REVERSE SLOPE GUTTER
SLOPE INTERCEPT
R/W

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 71	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\021302_CR-7THTOUS2.DWG
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PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : ##########



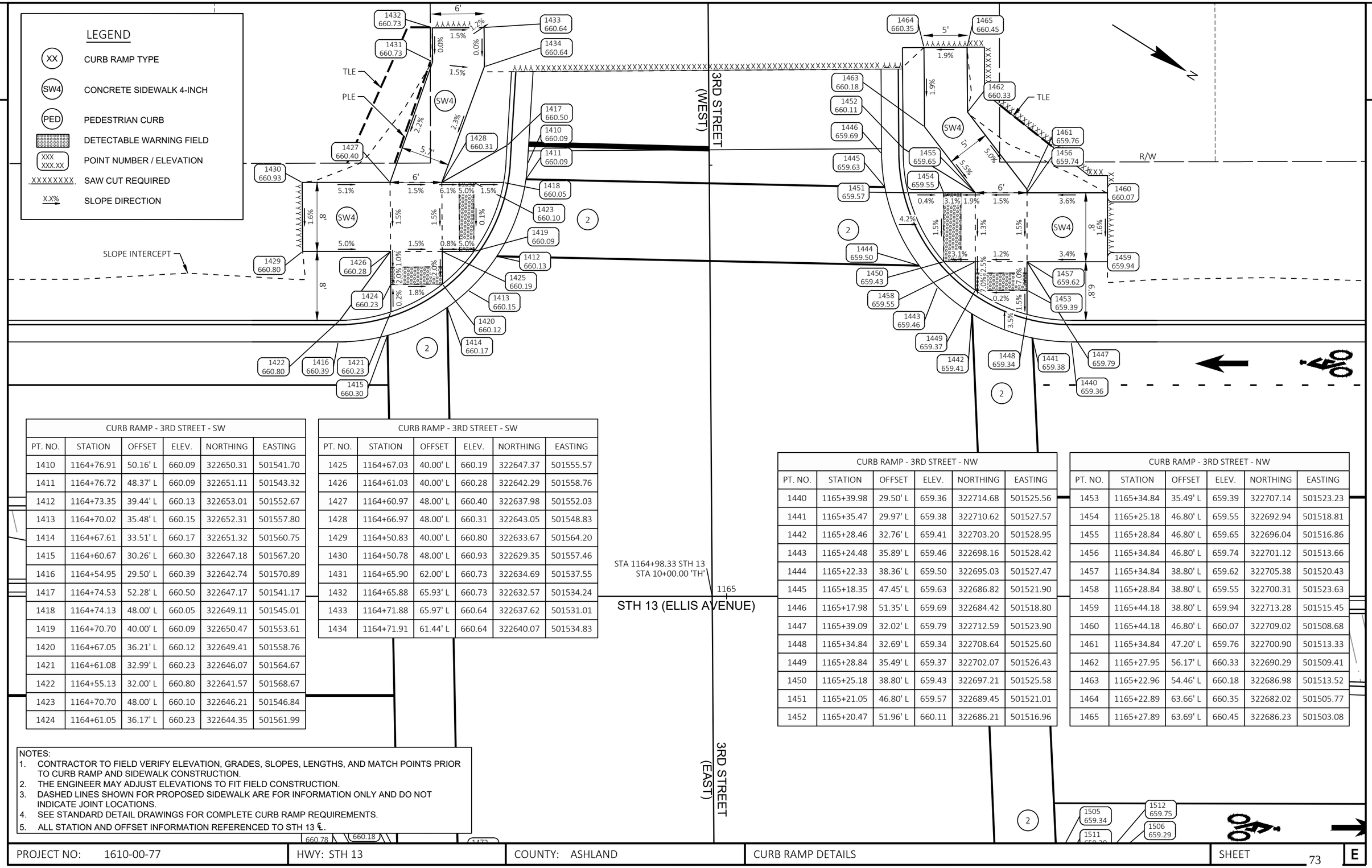
CURB RAMP - DEPOT DRIVE - S					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1360	1161+48.45	51.51' L	667.32	322371.70	501715.65
1361	1161+48.25	48.50' L	667.34	322373.13	501718.31
1362	1161+44.89	39.50' L	667.39	322375.09	501727.71
1363	1161+42.02	35.95' L	667.41	322374.55	501732.25
1364	1161+34.88	31.18' L	667.55	322371.05	501740.10
1365	1161+26.45	29.50' L	667.79	322364.82	501746.00
1366	1161+45.95	50.98' L	667.75	322369.86	501717.44
1367	1161+45.64	48.00' L	667.30	322371.19	501720.13
1368	1161+42.20	40.00' L	667.35	322372.54	501728.72

CURB RAMP - DEPOT DRIVE - S					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1369	1161+40.25	37.72' L	667.83	322372.11	501731.69
1370	1161+42.20	48.00' L	667.35	322368.28	501721.96
1371	1161+35.20	48.00' L	667.84	322362.36	501725.69
1372	1161+35.20	40.00' L	667.72	322366.62	501732.46
1373	1161+30.20	40.00' L	667.79	322362.39	501735.12
1374	1161+30.20	48.00' L	667.91	322358.13	501728.35
1375	1161+21.20	48.00' L	668.65	322350.51	501733.15
1376	1161+21.20	40.00' L	668.42	322354.78	501739.92

CURB RAMP - DEPOT DRIVE - N					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1380	1162+05.45	29.50' L	666.03	322431.66	501703.89
1381	1161+97.04	31.17' L	666.19	322423.64	501706.96
1382	1161+89.90	35.94' L	666.31	322415.07	501706.73
1383	1161+87.02	39.50' L	666.39	322410.73	501705.26
1384	1161+83.66	48.50' L	666.56	322403.09	501699.43
1385	1161+83.45	51.53' L	666.61	322401.30	501696.98
1386	1161+91.77	37.61' L	666.73	322415.76	501704.33
1387	1161+89.71	40.00' L	666.32	322412.74	501703.40
1388	1161+86.27	48.00' L	666.47	322405.57	501698.46
1389	1161+85.95	53.44' L	667.07	322402.39	501694.03
1390	1161+93.71	40.00' L	666.47	322416.12	501701.27
1391	1161+93.70	48.00' L	666.59	322411.85	501694.50
1392	1161+98.70	48.00' L	666.64	322416.08	501691.84
1393	1161+98.71	40.01' L	666.52	322420.35	501698.60
1394	1162+05.51	40.00' L	666.47	322426.11	501694.98
1395	1162+05.51	48.00' L	666.56	322421.84	501688.21
1396	1161+98.70	50.09' L	666.72	322414.97	501690.07
1397	1161+90.95	57.76' L	667.22	322404.32	501687.71
1398	1161+90.95	65.82' L	667.18	322400.02	501680.89
1399	1161+85.95	65.82' L	667.12	322395.79	501683.56

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 72	E



CURB RAMP - 3RD STREET - SW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1410	1164+76.91	50.16' L	660.09	322650.31	501541.70
1411	1164+76.72	48.37' L	660.09	322651.11	501543.32
1412	1164+73.35	39.44' L	660.13	322653.01	501552.67
1413	1164+70.02	35.48' L	660.15	322652.31	501557.80
1414	1164+67.61	33.51' L	660.17	322651.32	501560.75
1415	1164+60.67	30.26' L	660.30	322647.18	501567.20
1416	1164+54.95	29.50' L	660.39	322642.74	501570.89
1417	1164+74.53	52.28' L	660.50	322647.17	501541.17
1418	1164+74.13	48.00' L	660.05	322649.11	501545.01
1419	1164+70.70	40.00' L	660.09	322650.47	501553.61
1420	1164+67.05	36.21' L	660.12	322649.41	501558.76
1421	1164+61.08	32.99' L	660.23	322646.07	501564.67
1422	1164+55.13	32.00' L	660.80	322641.57	501568.67
1423	1164+70.70	48.00' L	660.10	322646.21	501546.84
1424	1164+61.05	36.17' L	660.23	322644.35	501561.99

CURB RAMP - 3RD STREET - SW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1425	1164+67.03	40.00' L	660.19	322647.37	501555.57
1426	1164+61.03	40.00' L	660.28	322642.29	501558.76
1427	1164+60.97	48.00' L	660.40	322637.98	501552.03
1428	1164+66.97	48.00' L	660.31	322643.05	501548.83
1429	1164+50.83	40.00' L	660.80	322633.67	501564.20
1430	1164+50.78	48.00' L	660.93	322629.35	501557.46
1431	1164+65.90	62.00' L	660.73	322634.69	501537.55
1432	1164+65.88	65.93' L	660.73	322632.57	501534.24
1433	1164+71.88	65.97' L	660.64	322637.62	501531.01
1434	1164+71.91	61.44' L	660.64	322640.07	501534.83

CURB RAMP - 3RD STREET - NW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1440	1165+39.98	29.50' L	659.36	322714.68	501525.56
1441	1165+35.47	29.97' L	659.38	322710.62	501527.57
1442	1165+28.46	32.76' L	659.41	322703.20	501528.95
1443	1165+24.48	35.89' L	659.46	322698.16	501528.42
1444	1165+22.33	38.36' L	659.50	322695.03	501527.47
1445	1165+18.35	47.45' L	659.63	322686.82	501521.90
1446	1165+17.98	51.35' L	659.69	322684.42	501518.80
1447	1165+39.09	32.02' L	659.79	322712.59	501523.90
1448	1165+34.84	32.69' L	659.34	322708.64	501525.60
1449	1165+28.84	35.49' L	659.37	322702.07	501526.43
1450	1165+25.18	38.80' L	659.43	322697.21	501525.58
1451	1165+21.05	46.80' L	659.57	322689.45	501521.01
1452	1165+20.47	51.96' L	660.11	322686.21	501516.96

CURB RAMP - 3RD STREET - NW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1453	1165+34.84	35.49' L	659.39	322707.14	501523.23
1454	1165+25.18	46.80' L	659.55	322692.94	501518.81
1455	1165+28.84	46.80' L	659.65	322696.04	501516.86
1456	1165+34.84	46.80' L	659.74	322701.12	501513.66
1457	1165+34.84	38.80' L	659.62	322705.38	501520.43
1458	1165+28.84	38.80' L	659.55	322700.31	501523.63
1459	1165+44.18	38.80' L	659.94	322713.28	501515.45
1460	1165+44.18	46.80' L	660.07	322709.02	501508.68
1461	1165+34.84	47.20' L	659.76	322700.90	501513.33
1462	1165+27.95	56.17' L	660.33	322690.29	501509.41
1463	1165+22.96	54.46' L	660.18	322686.98	501513.52
1464	1165+22.89	63.66' L	660.35	322682.02	501505.77
1465	1165+27.89	63.69' L	660.45	322686.23	501503.08

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 73	E

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

CURB RAMP - 3RD STREET - SE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1470	1164+56.69	29.50' R	660.36	322675.67	501619.88
1471	1164+61.82	30.11' R	660.25	322680.34	501617.66
1472	1164+68.88	33.19' R	660.15	322687.95	501616.50
1473	1164+72.19	35.89' R	660.12	322692.19	501617.02
1474	1164+75.12	39.49' R	660.10	322696.58	501618.50
1475	1164+78.48	48.48' R	660.04	322704.22	501624.32
1476	1164+78.69	51.35' R	660.03	322705.93	501626.64
1477	1164+56.69	32.00' R	660.78	322677.00	501622.00
1478	1164+62.43	32.87' R	660.18	322682.32	501619.66
1479	1164+68.43	35.94' R	660.09	322689.04	501619.06
1480	1164+72.43	40.00' R	660.06	322694.59	501620.37
1481	1164+75.87	48.00' R	660.00	322701.76	501625.31
1482	1164+76.19	52.46' R	660.44	322704.41	501628.91

CURB RAMP - 3RD STREET - SE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1483	1164+62.43	35.94' R	660.19	322683.96	501622.26
1484	1164+72.43	48.00' R	660.06	322698.85	501627.14
1485	1164+68.43	48.00' R	660.34	322695.47	501629.27
1486	1164+62.43	48.00' R	660.43	322690.39	501632.47
1487	1164+62.43	39.99' R	660.35	322686.12	501625.69
1488	1164+68.43	40.00' R	660.32	322691.20	501622.50
1489	1164+73.73	57.86' R	660.58	322705.21	501634.79
1490	1164+73.76	62.73' R	660.64	322707.83	501638.89
1491	1164+67.76	62.77' R	660.84	322702.78	501642.13
1492	1164+67.74	59.39' R	660.75	322700.95	501639.28
1493	1164+62.43	49.51' R	660.46	322691.20	501633.74
1494	1164+52.94	48.00' R	660.87	322682.36	501637.53
1495	1164+52.94	40.00' R	660.68	322678.10	501630.76

CURB RAMP - 3RD STREET - NE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1500	1165+18.72	56.69' R	659.72	322742.65	501609.81
1501	1165+20.02	48.22' R	659.61	322739.23	501601.95
1502	1165+24.98	39.22' R	659.46	322738.63	501591.69
1503	1165+26.57	37.47' R	659.43	322739.04	501589.38
1504	1165+31.28	33.69' R	659.37	322741.01	501583.66
1505	1165+38.26	30.55' R	659.34	322745.25	501577.28
1506	1165+45.72	29.50' R	659.29	322751.00	501572.42
1507	1165+21.52	52.70' R	660.08	322742.89	501604.95
1508	1165+22.86	47.70' R	659.54	322741.35	501600.00
1509	1165+27.89	39.70' R	659.40	322741.35	501590.55
1510	1165+31.89	36.28' R	659.33	322742.91	501585.53
1511	1165+37.89	33.29' R	659.30	322746.39	501579.79
1512	1165+42.11	32.27' R	659.75	322749.41	501576.68

CURB RAMP - 3RD STREET - NE					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1513	1165+27.89	47.70' R	659.54	322745.61	501597.32
1514	1165+37.89	36.28' R	659.35	322747.98	501582.33
1515	1165+37.89	39.70' R	659.59	322749.81	501585.22
1516	1165+37.89	47.70' R	659.71	322754.07	501591.99
1517	1165+31.89	47.70' R	659.62	322749.00	501595.19
1518	1165+31.89	39.70' R	659.50	322744.73	501588.42
1519	1165+37.89	48.94' R	659.78	322754.73	501593.03
1520	1165+32.29	61.97' R	660.63	322756.94	501607.05
1521	1165+32.27	62.77' R	660.67	322757.35	501607.74
1522	1165+26.27	62.82' R	660.59	322752.30	501610.97
1523	1165+26.25	60.81' R	660.49	322751.22	501609.29
1524	1165+48.19	39.70' R	659.88	322758.52	501579.73
1525	1165+48.19	47.70' R	660.02	322762.78	501586.50

STA 1164+98.33 STH 13
STA 10+00.00 'TH'

1165

STH 13 (ELLIS AVENUE)

3RD STREET (EAST)

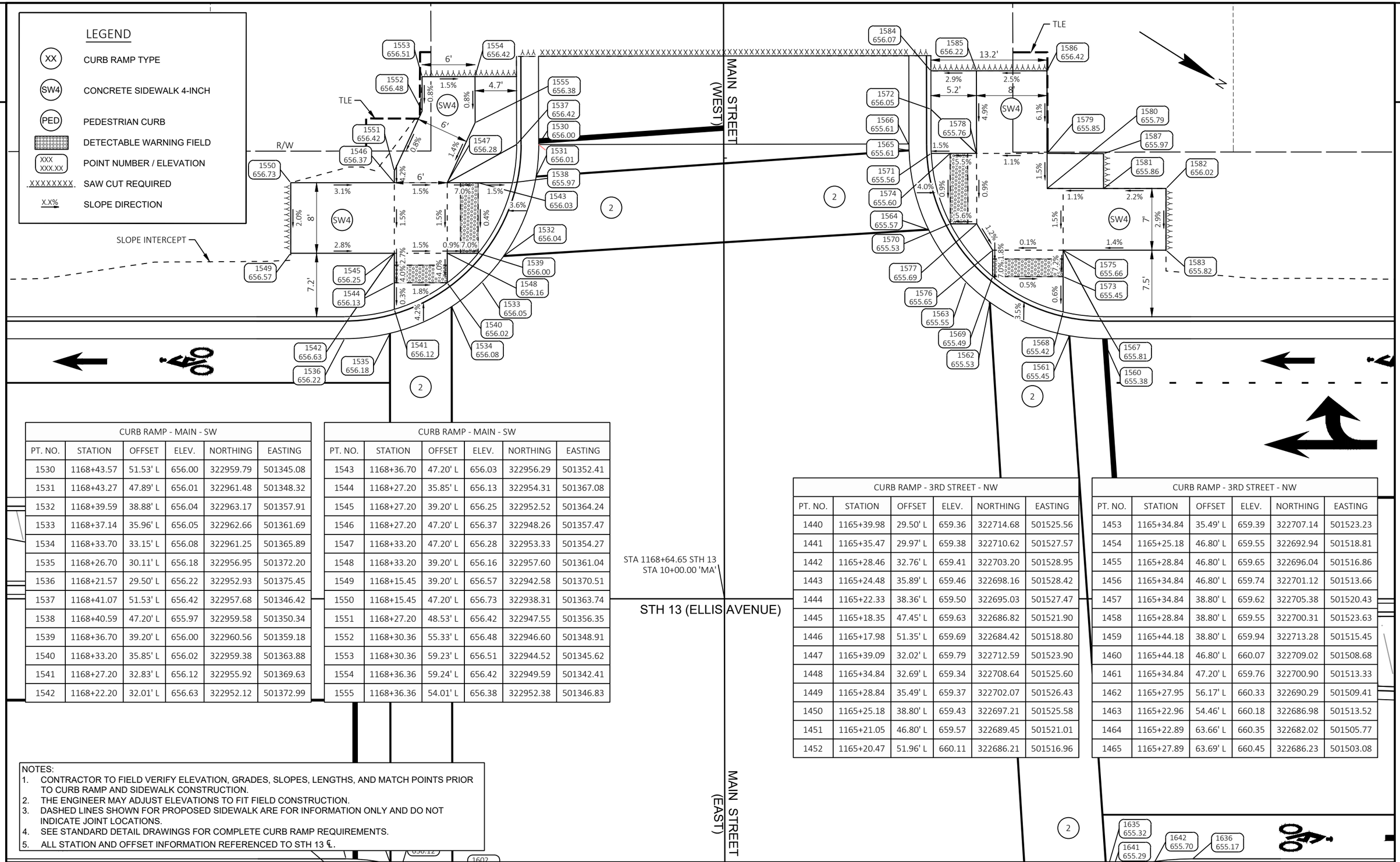
LEGEND

- XX — CURB RAMP TYPE
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — PEDESTRIAN CURB
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NUMBER / ELEVATION
- XXXXXXXX — SAW CUT REQUIRED
- X.X% — SLOPE DIRECTION

SLOPE INTERCEPT

R/W

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 74	E



CURB RAMP - MAIN - SW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1530	1168+43.57	51.53' L	656.00	322959.79	501345.08
1531	1168+43.27	47.89' L	656.01	322961.48	501348.32
1532	1168+39.59	38.88' L	656.04	322963.17	501357.91
1533	1168+37.14	35.96' L	656.05	322962.66	501361.69
1534	1168+33.70	33.15' L	656.08	322961.25	501365.89
1535	1168+26.70	30.11' L	656.18	322956.95	501372.20
1536	1168+21.57	29.50' L	656.22	322952.93	501375.45
1537	1168+41.07	51.53' L	656.42	322957.68	501346.42
1538	1168+40.59	47.20' L	655.97	322959.58	501350.34
1539	1168+36.70	39.20' L	656.00	322960.56	501359.18
1540	1168+33.20	35.85' L	656.02	322959.38	501363.88
1541	1168+27.20	32.83' L	656.12	322955.92	501369.63
1542	1168+22.20	32.01' L	656.63	322952.12	501372.99

CURB RAMP - MAIN - SW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1543	1168+36.70	47.20' L	656.03	322956.29	501352.41
1544	1168+27.20	35.85' L	656.13	322954.31	501367.08
1545	1168+27.20	39.20' L	656.25	322952.52	501364.24
1546	1168+27.20	47.20' L	656.37	322948.26	501357.47
1547	1168+33.20	47.20' L	656.28	322953.33	501354.27
1548	1168+33.20	39.20' L	656.16	322957.60	501361.04
1549	1168+15.45	39.20' L	656.57	322942.58	501370.51
1550	1168+15.45	47.20' L	656.73	322938.31	501363.74
1551	1168+27.20	48.53' L	656.42	322947.55	501356.35
1552	1168+30.36	55.33' L	656.48	322946.60	501348.91
1553	1168+30.36	59.23' L	656.51	322944.52	501345.62
1554	1168+36.36	59.24' L	656.42	322949.59	501342.41
1555	1168+36.36	54.01' L	656.38	322952.38	501346.83

CURB RAMP - 3RD STREET - NW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1440	1165+39.98	29.50' L	659.36	322714.68	501525.56
1441	1165+35.47	29.97' L	659.38	322710.62	501527.57
1442	1165+28.46	32.76' L	659.41	322703.20	501528.95
1443	1165+24.48	35.89' L	659.46	322698.16	501528.42
1444	1165+22.33	38.36' L	659.50	322695.03	501527.47
1445	1165+18.35	47.45' L	659.63	322686.82	501521.90
1446	1165+17.98	51.35' L	659.69	322684.42	501518.80
1447	1165+39.09	32.02' L	659.79	322712.59	501523.90
1448	1165+34.84	32.69' L	659.34	322708.64	501525.60
1449	1165+28.84	35.49' L	659.37	322702.07	501526.43
1450	1165+25.18	38.80' L	659.43	322697.21	501525.58
1451	1165+21.05	46.80' L	659.57	322689.45	501521.01
1452	1165+20.47	51.96' L	660.11	322686.21	501516.96

CURB RAMP - 3RD STREET - NW					
PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1453	1165+34.84	35.49' L	659.39	322707.14	501523.23
1454	1165+25.18	46.80' L	659.55	322692.94	501518.81
1455	1165+28.84	46.80' L	659.65	322696.04	501516.86
1456	1165+34.84	46.80' L	659.74	322701.12	501513.66
1457	1165+34.84	38.80' L	659.62	322705.38	501520.43
1458	1165+28.84	38.80' L	659.55	322700.31	501523.63
1459	1165+44.18	38.80' L	659.94	322713.28	501515.45
1460	1165+44.18	46.80' L	660.07	322709.02	501508.68
1461	1165+34.84	47.20' L	659.76	322700.90	501513.33
1462	1165+27.95	56.17' L	660.33	322690.29	501509.41
1463	1165+22.96	54.46' L	660.18	322686.98	501513.52
1464	1165+22.89	63.66' L	660.35	322682.02	501505.77
1465	1165+27.89	63.69' L	660.45	322686.23	501503.08

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 75	E

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCED TO STH 13 ℄.

CURB RAMP - MAIN - SE

PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1600	1168+21.72	29.50' R	656.22	322984.51	501425.28
1601	1168+26.78	30.09' R	656.17	322989.10	501423.09
1602	1168+33.79	33.10' R	656.08	322996.64	501421.90
1603	1168+37.27	35.93' R	655.99	323001.09	501422.44
1604	1168+42.69	44.84' R	655.73	323010.43	501427.09
1605	1168+43.72	51.47' R	655.70	323014.84	501432.14
1606	1168+43.73	53.85' R	655.69	323016.11	501434.15
1607	1168+21.72	32.00' R	656.64	322985.84	501427.40
1608	1168+27.28	32.81' R	656.12	322990.98	501425.12
1609	1168+33.29	35.80' R	656.02	322997.66	501424.45
1610	1168+40.21	45.30' R	655.69	323008.58	501428.80
1611	1168+41.23	53.30' R	655.65	323013.70	501435.02
1612	1168+41.23	57.45' R	656.09	323015.92	501438.53

CURB RAMP - MAIN - SE

PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1613	1168+40.21	53.30' R	655.66	323012.84	501435.56
1614	1168+27.29	35.80' R	656.11	322992.58	501427.65
1615	1168+27.31	47.80' R	656.12	322998.99	501437.79
1616	1168+27.29	39.80' R	656.09	322994.71	501431.03
1617	1168+33.29	39.80' R	656.04	322999.79	501427.83
1618	1168+36.72	45.30' R	655.95	323005.62	501430.66
1619	1168+36.73	53.30' R	655.92	323009.89	501437.42
1620	1168+31.73	53.30' R	656.00	323005.66	501440.09
1621	1168+31.72	47.80' R	656.04	323002.72	501435.44
1622	1168+08.35	47.80' R	657.10	322982.95	501447.89
1623	1168+08.35	39.80' R	656.90	322978.69	501441.13
1624	1168+36.75	70.32' R	656.54	323018.99	501451.81
1625	1168+31.75	70.33' R	656.72	323014.76	501454.48

CURB RAMP - MAIN - NE

PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1630	1168+85.74	61.55' R	655.60	323055.76	501418.27
1631	1168+86.48	54.66' R	655.56	323052.71	501412.05
1632	1168+89.93	45.67' R	655.51	323050.84	501402.60
1633	1168+95.10	38.89' R	655.46	323051.59	501394.12
1634	1168+98.99	35.57' R	655.43	323053.12	501389.23
1635	1169+07.97	31.03' R	655.32	323058.29	501380.60
1636	1169+17.74	29.50' R	655.17	323065.75	501374.10
1637	1168+88.33	59.21' R	656.01	323056.70	501414.92
1638	1168+89.15	54.21' R	655.51	323054.74	501410.24
1639	1168+92.51	46.21' R	655.46	323053.31	501401.69
1640	1168+99.66	38.19' R	655.39	323055.08	501391.10
1641	1169+07.66	33.78' R	655.29	323059.49	501383.09
1642	1169+11.96	32.57' R	655.70	323062.49	501379.78

CURB RAMP - MAIN - NE

PT. NO.	STATION	OFFSET	ELEV.	NORTHING	EASTING
1643	1168+92.51	54.21' R	655.56	323057.57	501408.46
1644	1169+07.66	38.19' R	655.36	323061.85	501386.83
1645	1168+95.03	54.21' R	655.66	323059.70	501407.12
1646	1168+95.01	46.21' R	655.57	323055.43	501400.35
1647	1168+99.66	40.89' R	655.57	323056.52	501393.38
1648	1169+07.66	40.89' R	655.51	323063.29	501389.11
1649	1169+07.66	48.89' R	655.63	323067.55	501395.88
1650	1169+03.02	48.89' R	655.70	323063.63	501398.35
1651	1169+03.03	54.21' R	655.78	323066.47	501402.85
1652	1169+28.74	39.08' R	655.39	323080.17	501376.34
1653	1169+28.74	48.89' R	655.54	323085.39	501384.64
1654	1169+03.05	70.22' R	656.73	323075.02	501416.38
1655	1168+95.05	70.23' R	656.49	323068.26	501420.66

STA 1168+64.65 STH 13
STA 10+00.00 'MA'

STH 13 (ELLIS AVENUE)

MAIN STREET (EAST)

SLOPE INTERCEPT

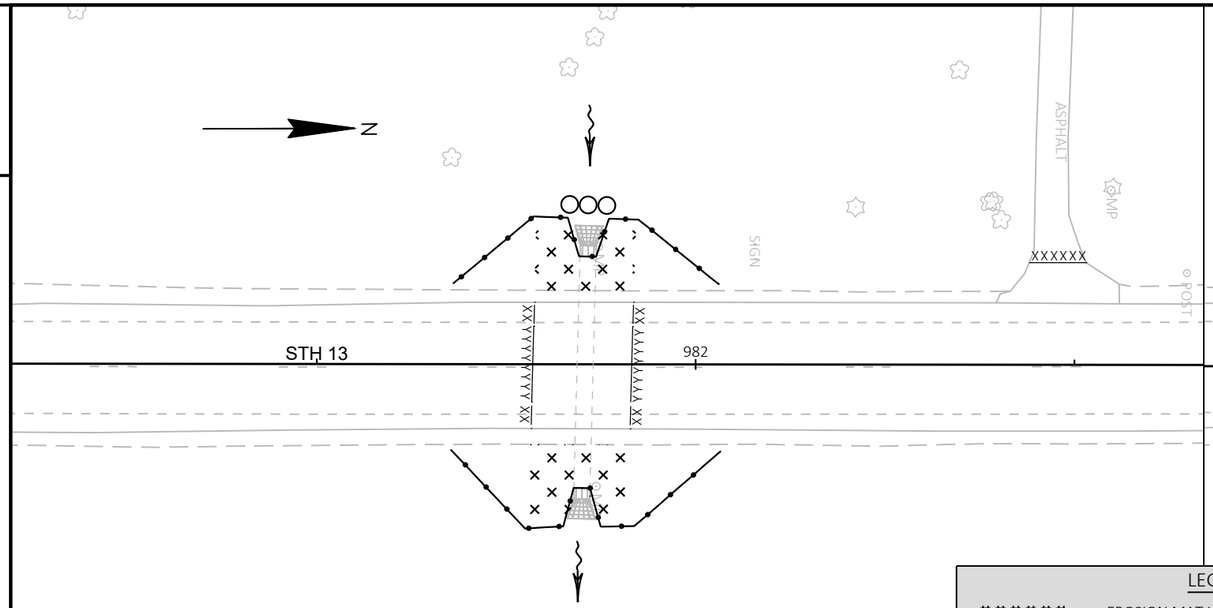
TLE

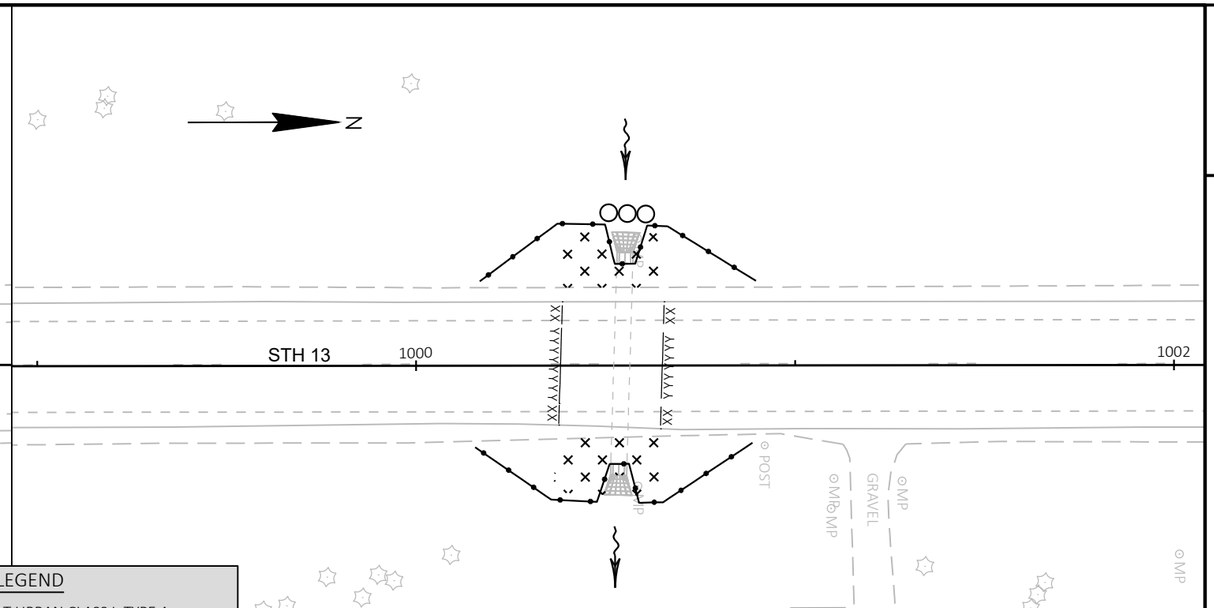
LEGEND

- XX — CURB RAMP TYPE
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — PEDESTRIAN CURB
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NUMBER / ELEVATION
- XXXXXXXX — SAW CUT REQUIRED
- X.X% — SLOPE DIRECTION

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CURB RAMP DETAILS	SHEET 76	E

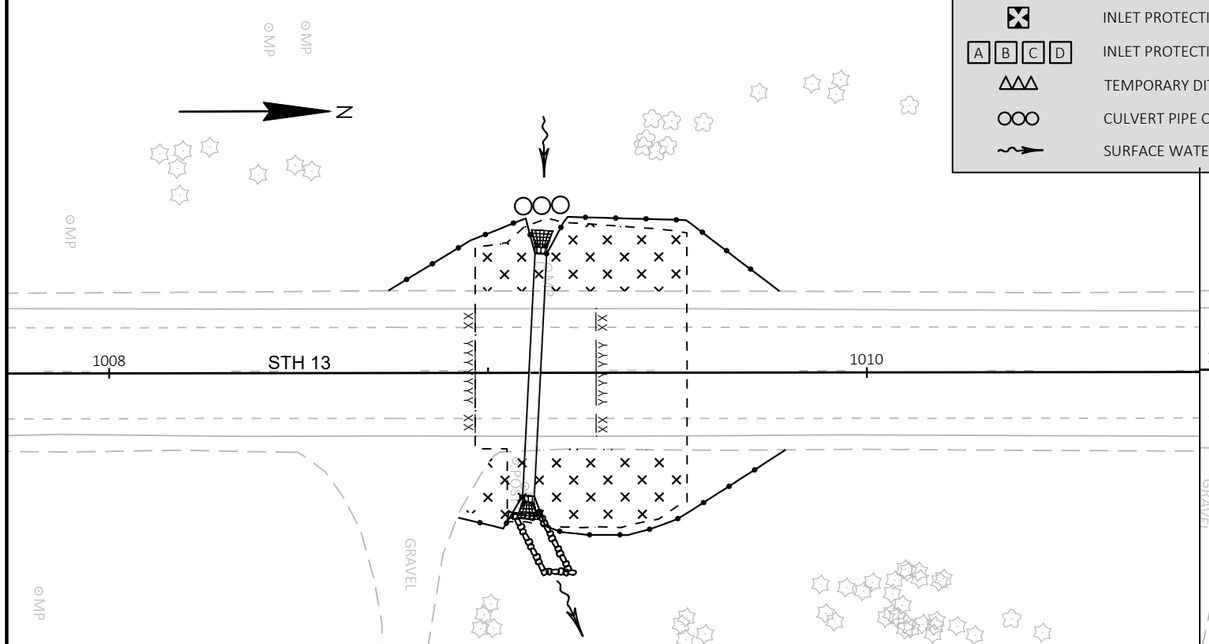
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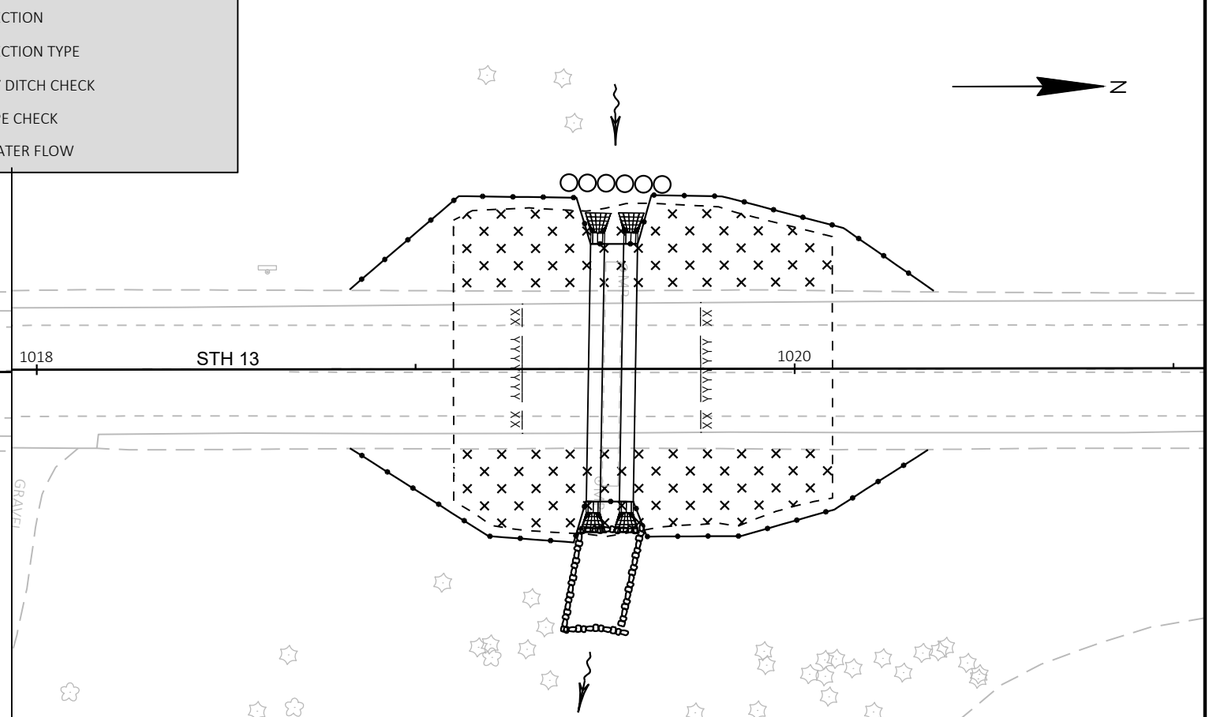




LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C D — INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW





2

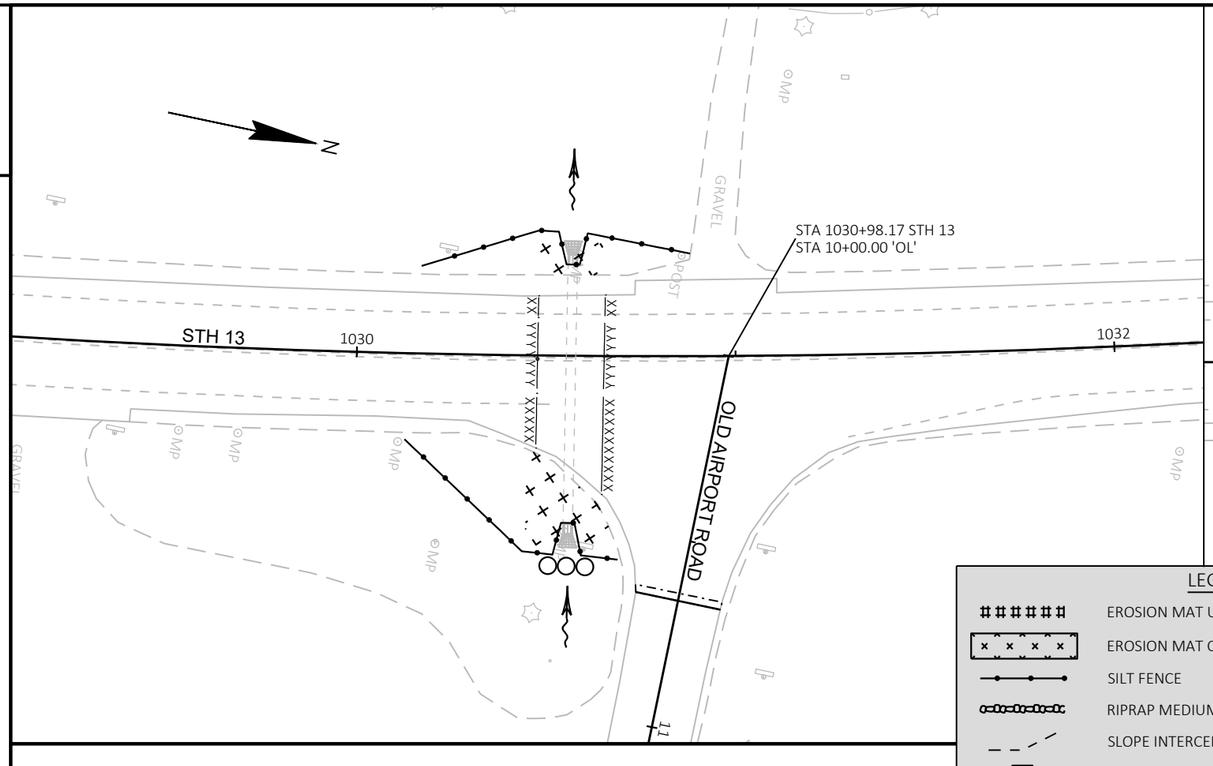
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	EROSION CONTROL	SHEET 77	E

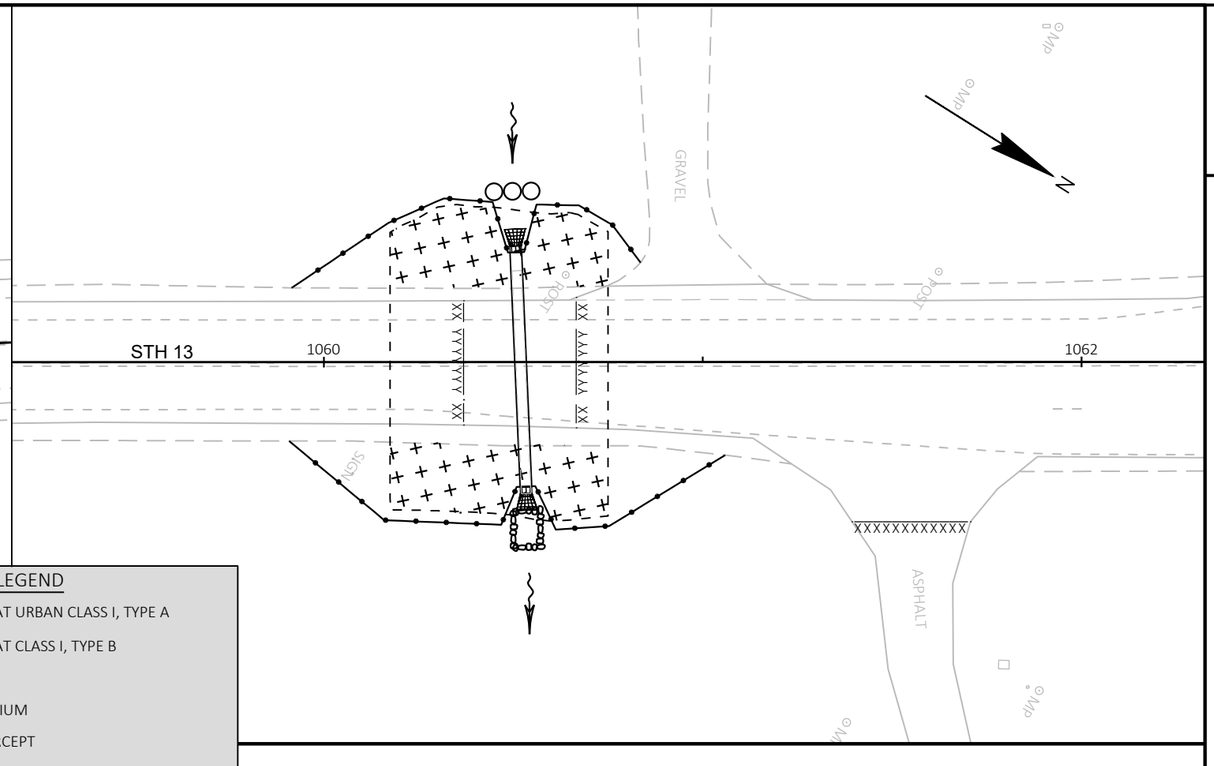
FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\022001_EC-2106.DWG
LAYOUT NAME - EC-01

PLOT DATE : 7/30/2024 3:01 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

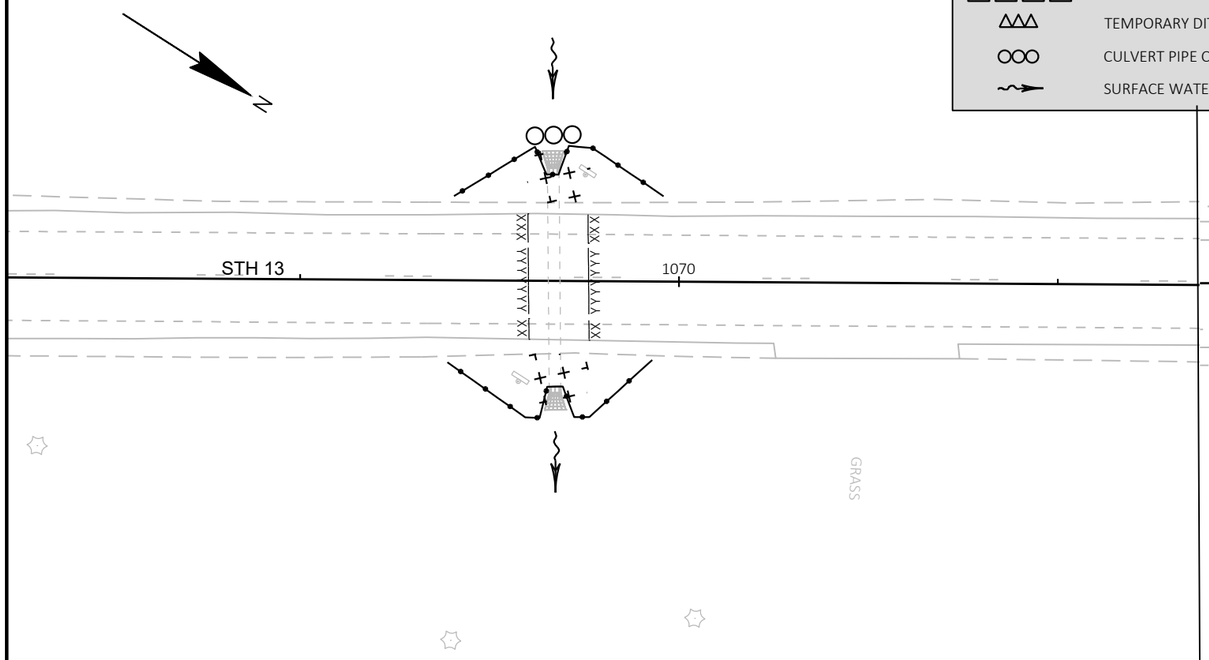
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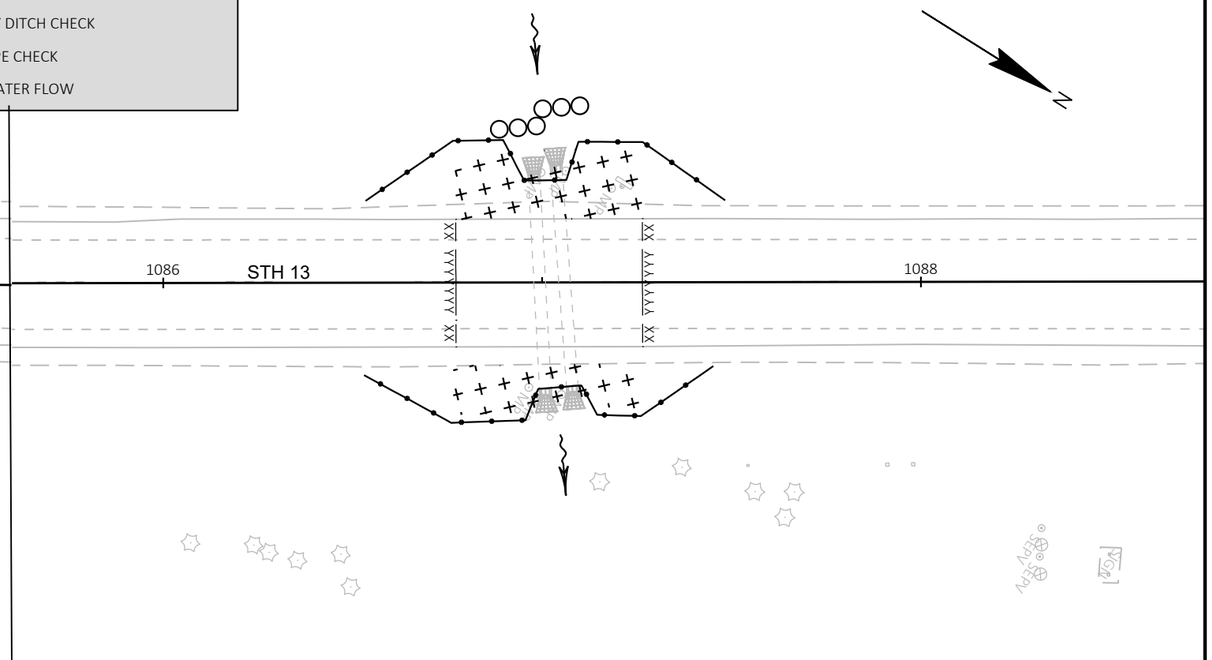




LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C D — INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW





PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	EROSION CONTROL	SHEET 78	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\022001_EC-2106.DWG
LAYOUT NAME - EC-02

PLOT DATE : 7/30/2024 3:01 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : ##########

2

2

16TH ST.

STH 13 (ELLIS AVENUE)

1116

1118

1120

STA 1117+37.67 STH 13
STA 10+00.00 'ST'

GARDENING SOIL AT
12-INCH DEPTH (TYP.)

20'

MATCH LINE 1120+50

CONCRETE

GRAVEL

ASPHALT

NORTHLAND COLL
(SOUTH)

STH 13 (ELLIS AVENUE)

1122

1124

1126

STA 1122+00.80 STH 13
STA 10+00.00 'NS'

GARDENING SOIL AT
12-INCH DEPTH (TYP.)

STA 1125+17 RT
STAGE 1A - ASPHALTIC CURB HEAD
DEPRESSION AND ASPHALTIC FLUME REQ'D

MATCH LINE 1120+50

MATCH LINE 1126+50

LEGEND

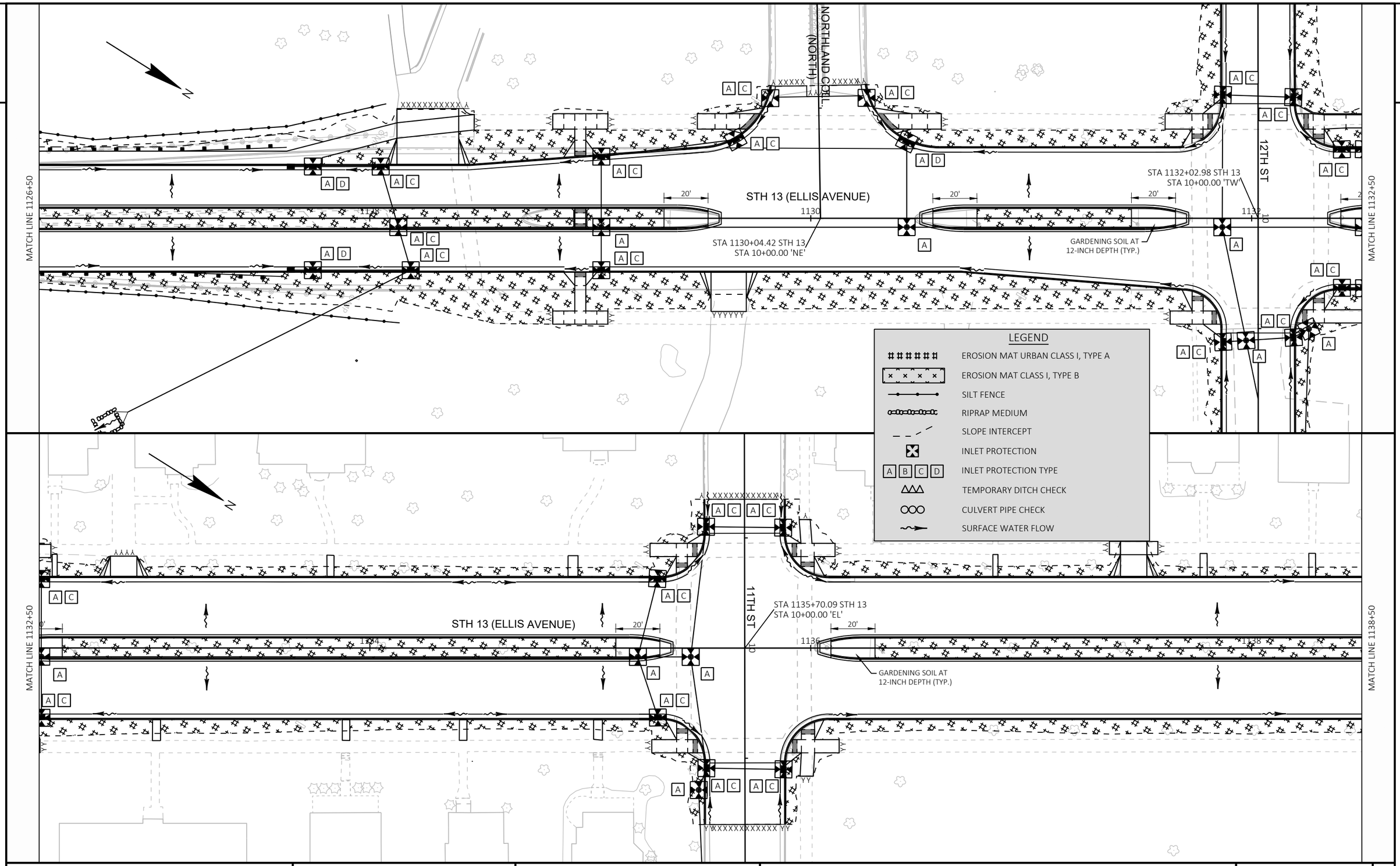
- EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C D — INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	EROSION CONTROL	SHEET 79	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\022001_EC-2106.DWG
LAYOUT NAME - EC-03

PLOT DATE : 9/20/2024 9:08 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	EROSION CONTROL	SHEET 80	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\022001_EC-2106.DWG
LAYOUT NAME - EC-04

PLOT DATE : 9/20/2024 9:08 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE 1138+50

10TH ST

STA 1139+35.74 STH 13
STA 10+00.00 'TE'

20'

STH 13 (ELLIS AVENUE)

1140

1142

9TH ST

STA 1143+02.68 STH 13
STA 10+00.00 'NI'

1144

GARDENING SOIL AT
12-INCH DEPTH (TYP.)

MATCH LINE 1144+50

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C D INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

8TH ST

STA 1146+68.14 STH 13
STA 10+00.00 'EI'

STH 13 (ELLIS AVENUE)

1146

1148

1150

GARDENING SOIL AT
12-INCH DEPTH (TYP.)

7TH ST

STA 1150+34.44 STH 13
STA 10+00.00 'SE'

MATCH LINE 1144+50

MATCH LINE 1150+50

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	EROSION CONTROL	SHEET 81	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\022001_EC-2106.DWG
LAYOUT NAME - EC-05

PLOT DATE : 9/20/2024 9:08 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE 1150+50

MATCH LINE 1156+50

STH 13 (ELLIS AVENUE)

20'

20'

1152

1154

1156

GARDENING SOIL AT
12-INCH DEPTH (TYP.)

STA 1154+00.24 STH 13
STA 10+00.00 'SI'

6TH ST

A

A C

C

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C D — INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

MATCH LINE 1156+50

MATCH LINE 1162+50

5TH ST

DEPOT DR

STA 1157+67.55 STH 13
STA 10+00.00 'FI'

STA 1161+65.48 STH 13
STA 10+00.00 'DE'

1158

1160

1162

STH 13 (ELLIS AVENUE)

20'

20'

GARDENING SOIL AT
12-INCH DEPTH (TYP.)

C

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	EROSION CONTROL	SHEET 82	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\022001_EC-2106.DWG
LAYOUT NAME - EC-06

PLOT DATE : 9/20/2024 9:08 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE 1162+50

MATCH LINE 1168+50

3RD ST

STH 13 (ELLIS AVENUE)

STA 1164+98.33 STH 13
STA 10+00.00 'TH'

GARDENING SOIL AT
12-INCH DEPTH (TYP.)

1164

1166

1168

20'

20'

20'

10

B

C

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT CLASS I, TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C D — INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

MATCH LINE 1168+50

MAIN ST

STA 1168+64.65 STH 13
STA 10+00.00 'MA'

STH 13 (ELLIS AVENUE)

20'

20'

1170

1172

GARDENING SOIL AT
12-INCH DEPTH (TYP.)

10

B

C

117

118

USH 2 (LAKE SHORE DRIVE)

STA 1172+39.36 STH 13
STA 117+79.41 USH 2

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	EROSION CONTROL	SHEET 83	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\022001_EC-2106.DWG
LAYOUT NAME - EC-07

PLOT DATE : 9/20/2024 9:08 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

NOTES:

TYPICAL NOT TO SCALE.

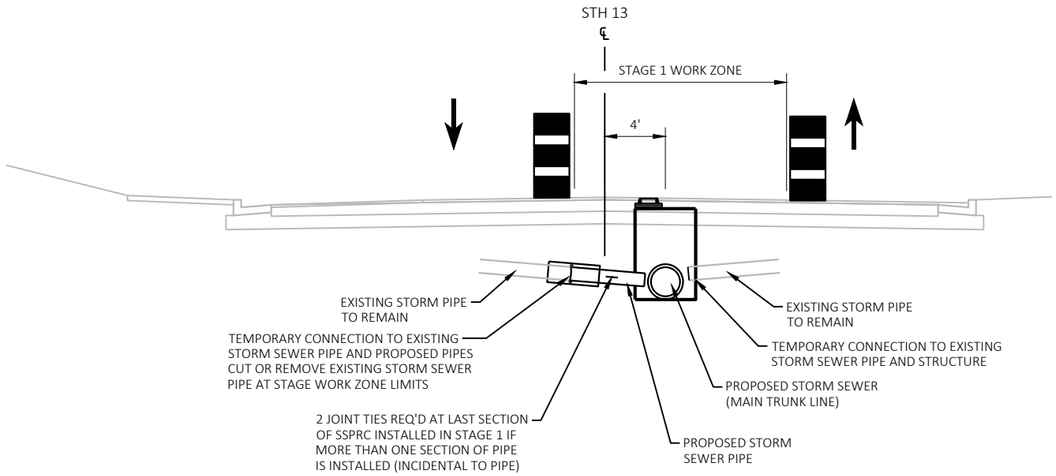
INSTALL OUTFALL 6 AND 10, STRUCTURES 5, 11, AND PIPES 4, 5, 11, 12 PRIOR TO STAGE 1A. PLACE TEMPORARY ASPHALT WITH ASPHALT CURBS IN EXCAVATION AREAS PRIOR TO STAGE 1A.

INSTALL STORM SEWER MANHOLE STRUCTURES SO CASTING IS LOCATED OUT OF PROPOSED CONCRETE CURB AND GUTTER. VERIFY WITH SHOP DRAWINGS.

ALL STATIONS AND OFFSETS SHOWN ON DRAWING ARE TO CENTER OF STRUCTURE.

TEMPORARY CONNECTION TO EXISTING STORM SEWER LATERAL PIPE AND PROPOSED STRUCTURES AT THESE LOCATIONS:
- STA 1121+82 4' RT
- STA 1131+87 4'RT (2 EACH)
- STA 1135+46 4'RT (2 EACH)

MAINTAIN TEMPORARY CONNECTION TO EXISTING STORM SEWER MAIN TRUNK LINE AT THE END OF EACH WORK DAY. TEMPORARY CONNECTION TO EXISTING STORM SEWER MAIN TRUNK LINE, MATERIALS, REMOVAL, AND MAINTENANCE SHALL BE CONSIDERED INCIDENTAL TO PROPOSED STORM SEWER PIPE.



TYPICAL SECTION - STAGE 1B

STA 1124+15 - STA 1135+46

NOTES:

TYPICAL NOT TO SCALE.

TEMPORARY CONNECT THE EXISTING 15" SSPRC MAIN TRUNK LINE INTO STRUCTURE 28. ONCE ALL CONNECTIONS ARE SEVERED TO THE EXISTING MAIN TRUNK LINE AND IT IS NO LONGER IN USE REMOVE TEMPORARY CONNECTION TO STRUCTURE 28 AND RECONSTRUCT STRUCTURE 28.

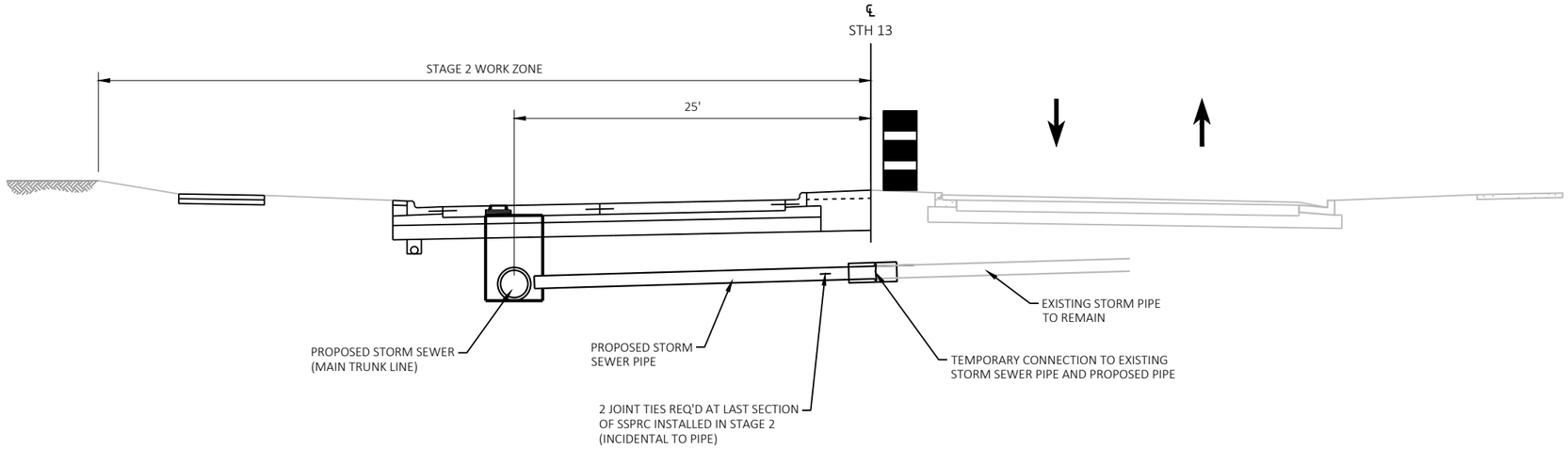
INSTALL STORM SEWER MAINLINE STRUCTURES SO CASTING IS LOCATED OUT OF THE MARKED BICYCLE LANE. VERIFY WITH SHOP DRAWINGS.

ALL STATIONS AND OFFSETS SHOWN ON DRAWING ARE TO CENTER OF STRUCTURE.

TEMPORARY CONNECTION TO EXISTING STORM SEWER PIPE AND PROPOSED PIPES AT THESE LOCATIONS:
- STA 1117+70 C/L P-31
- STA 1139+15 C/L P-20E
- STA 1142+83 C/L P-22D
- STA 1146+53 C/L P-24D
- STA 1150+13 C/L P-26B

TEMPORARY CONNECTION TO EXISTING STORM SEWER TRUNK LINE AND PROPOSED STRUCTURES AT THESE LOCATIONS:
- STA 1153+39 LT STRUCT. 28

MAINTAIN TEMPORARY CONNECTION TO EXISTING STORM SEWER MAIN TRUNK LINE AT THE END OF EACH WORK DAY. TEMPORARY CONNECTION TO EXISTING STORM SEWER MAIN TRUNK LINE, MATERIALS, REMOVAL, AND MAINTENANCE SHALL BE CONSIDERED INCIDENTAL TO PROPOSED STORM SEWER PIPE.



TYPICAL SECTION - STAGE 3

STA 1139+13 - STA 1153+32

2

STA 1116+93, 44.1' LT
CATCH BASINS 5-H
30

CONNECT TO EXISTING
HDPE 15-INCH
CONCRETE COLLAR REQ'D

STA 1116+88, 36.9' LT
CATCH BASINS 2x3-H-S
29

16TH STREET

CONNECT TO EXISTING
SSPRC 15-INCH
CONCRETE COLLAR REQ'D

31
STA 1117+69, 40.3' LT
MANHOLES 5-J

SLOPE INTERCEPT

R/W

STA 1117+37.67 STH 13
STA 10+00.00 'ST'

1115+00 1116+00 1117+00 1118+00 1119+00 1120+00

TEMP CONN. TO EXISTING
STORM SEWER REQ'D

STH 13

THIS LINE IS FROM PARCEL MAPPING

32
STA 1117+70, 36.0' RT
MANHOLES 5-J

R/W

34
STA 1117+70, 49.6' RT
APRON ENDWALLS FOR CP 30-INCH

SLOPE INTERCEPT

STA 1117+00, 41.5' RT
APRON ENDWALLS FOR CPRC 18-INCH
33

30
RIM ELEV: 700.10'
SUMP ELEV: 692.23'

CONNECT TO
EXISTING
HDPE 15-INCH
INV: 695.76'

P-30A
SSPRC CLASS III 15-INCH
INV UP: 695.74'
INV DN: 695.55'
LENGTH: 7 FT
SLOPE: 2.71%

29
RIM ELEV: 699.87'
SUMP ELEV: 693.35'

P-29
SSP CLASS III-A 12-INCH
INV UP: 695.35'
INV DN: 695.23'
LENGTH: 12 FT
SLOPE: 0.98%

31
RIM ELEV: 699.59'
SUMP ELEV: 690.58'

P-30
SSP CLASS III-A 24-INCH
INV UP: 694.23'
INV DN: 693.13'
LENGTH: 76 FT
SLOPE: 1.44%

31
RIM ELEV: 699.59'
SUMP ELEV: 690.58'

P-31
SSPRCHE CLASS HE-IV 24x38-INCH
INV UP: 690.58'
INV DN: 690.20'
LENGTH: 76 FT
SLOPE: 0.50%

CONNECT TO EXISTING
SSPRC 15-INCH
INV: 691.70'
CONCRETE COLLAR REQ'D

32
RIM ELEV: 699.29'
SUMP ELEV: 690.20'

34
INV: 690.10'

P-31A
SSPRC CLASS IV 15-INCH
INV UP: 691.70'
INV DN: 691.40'
LENGTH: 8 FT
SLOPE: 3.75%

P-32
SSP CLASS III-A 30-INCH
INV UP: 690.20'
INV DN: 690.10'
LENGTH: 14 FT
SLOPE: 0.74%

32
RIM ELEV: 699.29'
SUMP ELEV: 690.20'

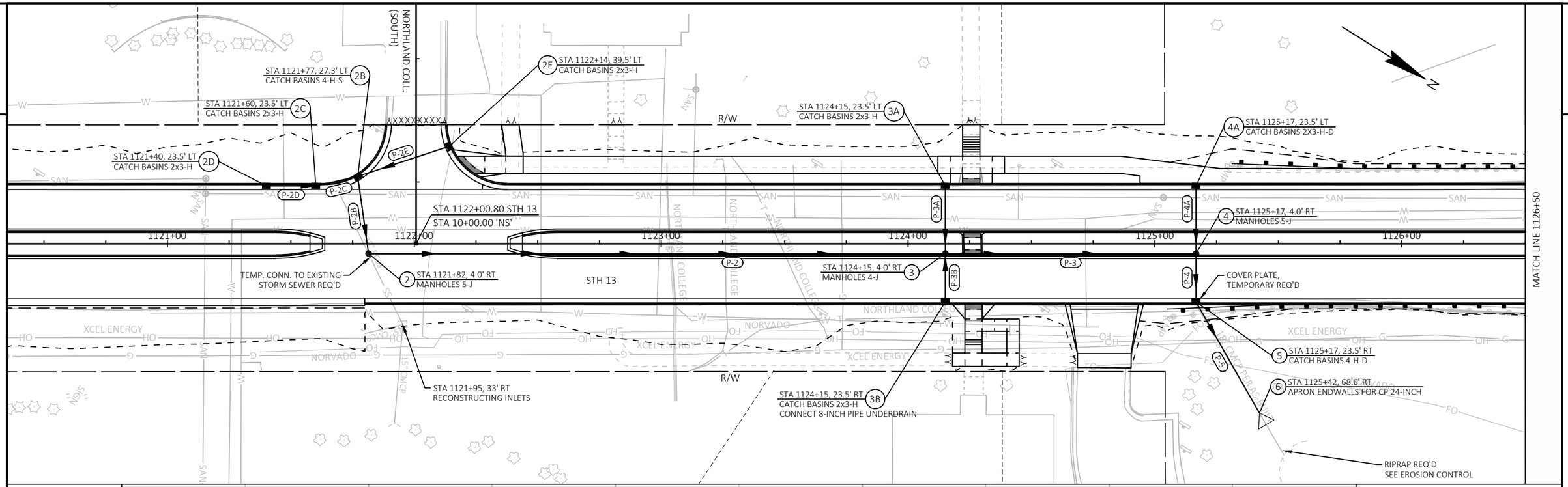
33
INV: 696.40'

P-33
SSPRC CLASS IV 18-INCH
INV UP: 696.40'
INV DN: 693.62'
LENGTH: 70 FT
SLOPE: 3.95%

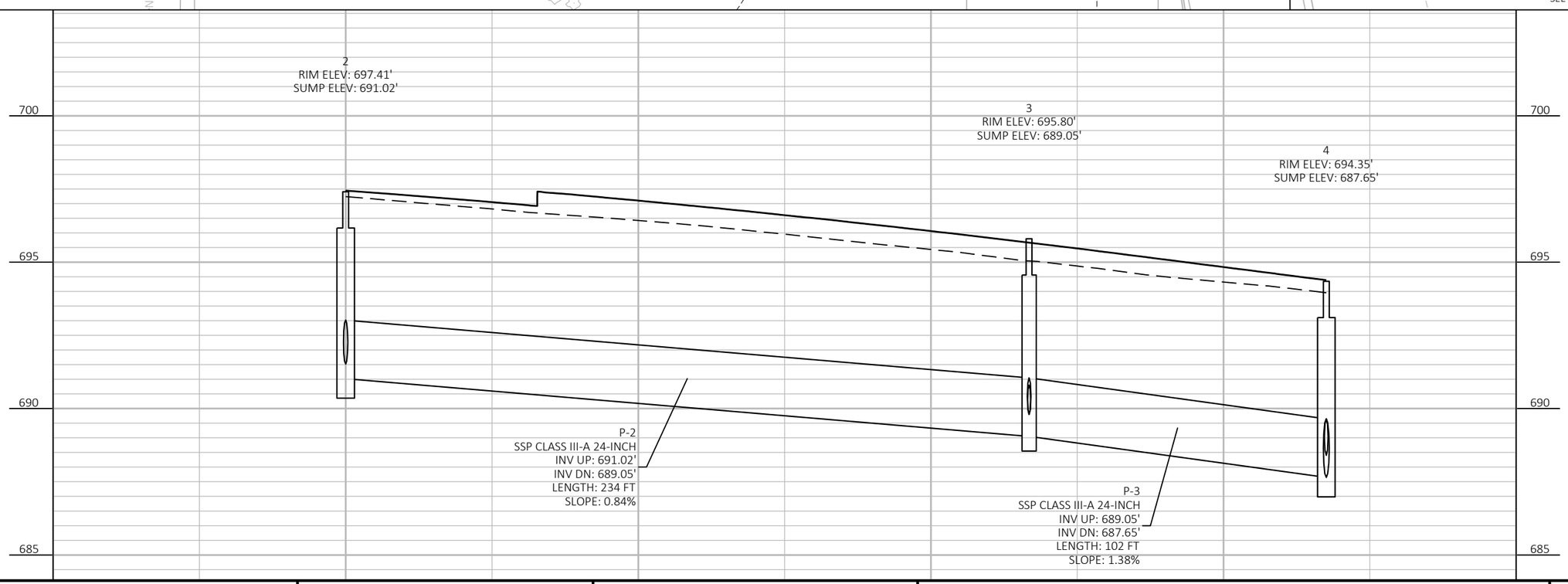
700 695 690

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	STORM SEWER: STH 13	SHEET 85	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2_FROM-SEH\STORM\022501 SS.DWG
LAYOUT NAME - 01
PLOT DATE : 5/13/2024 4:20 PM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

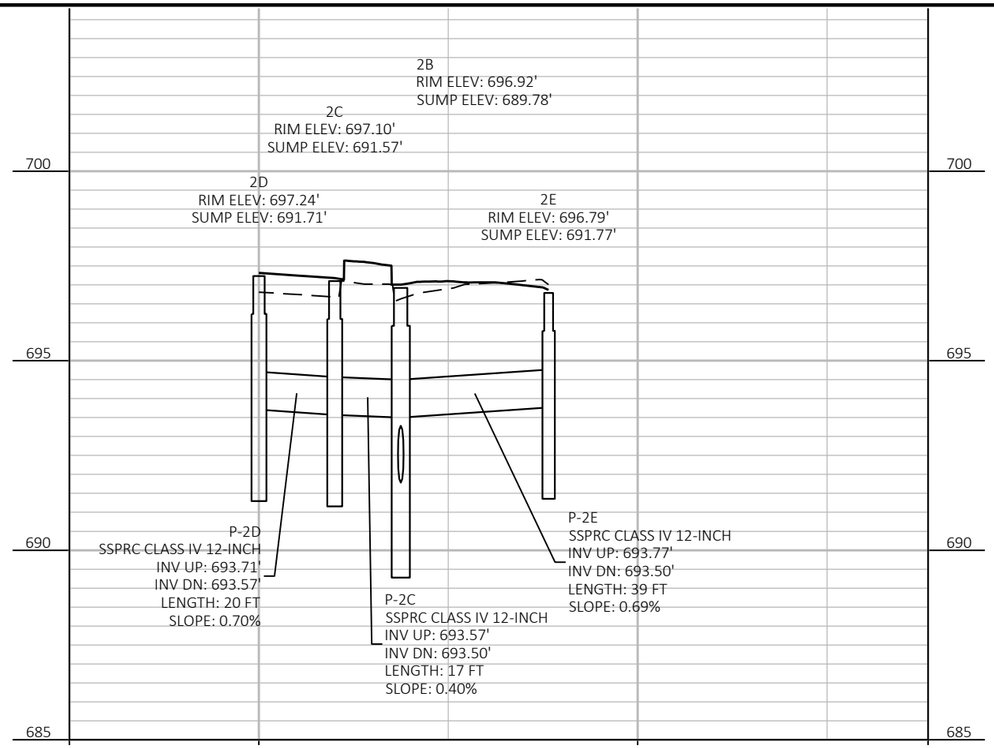


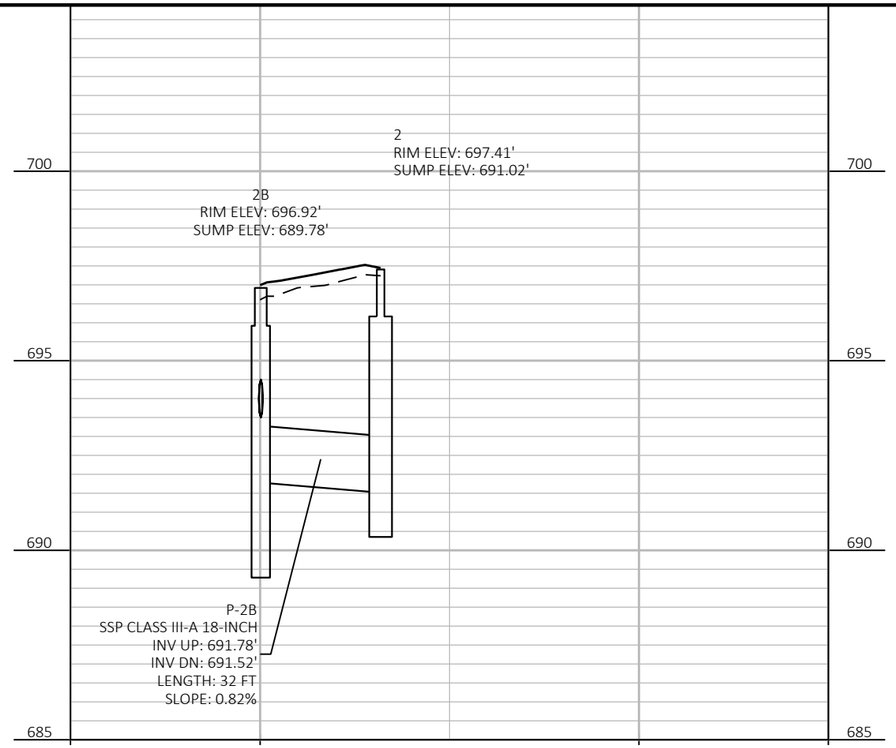
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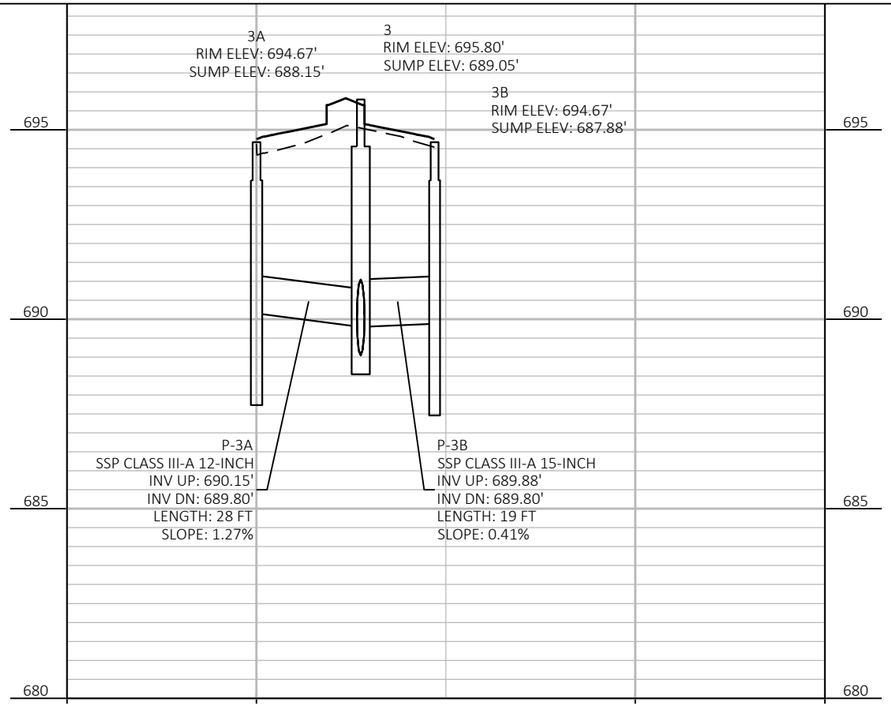


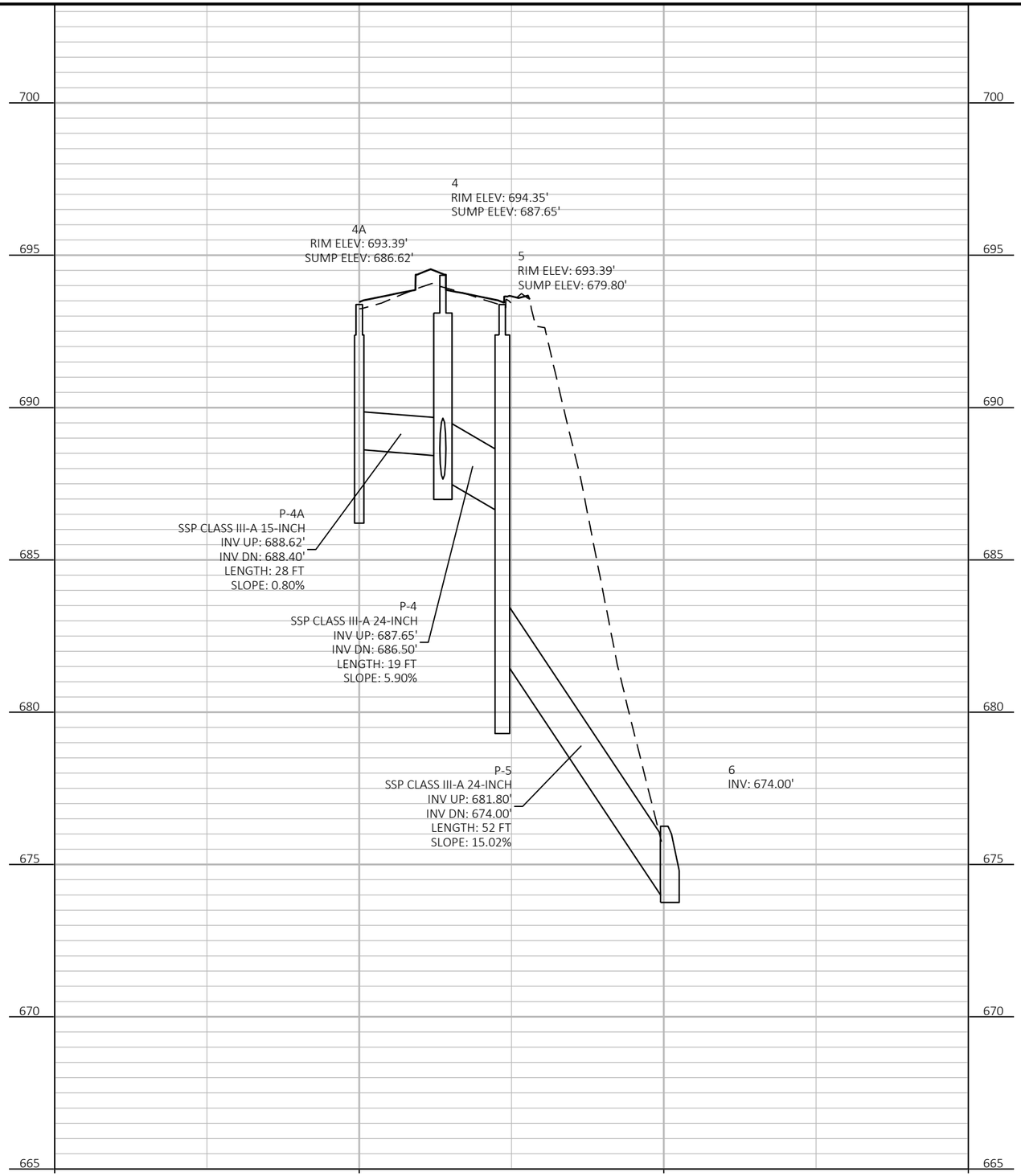
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	STORM SEWER: STH 13	SHEET 86	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2_FROM-SEH\STORM\022501 SS.DWG
LAYOUT NAME - 02
PLOT DATE : 5/13/2024 4:20 PM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

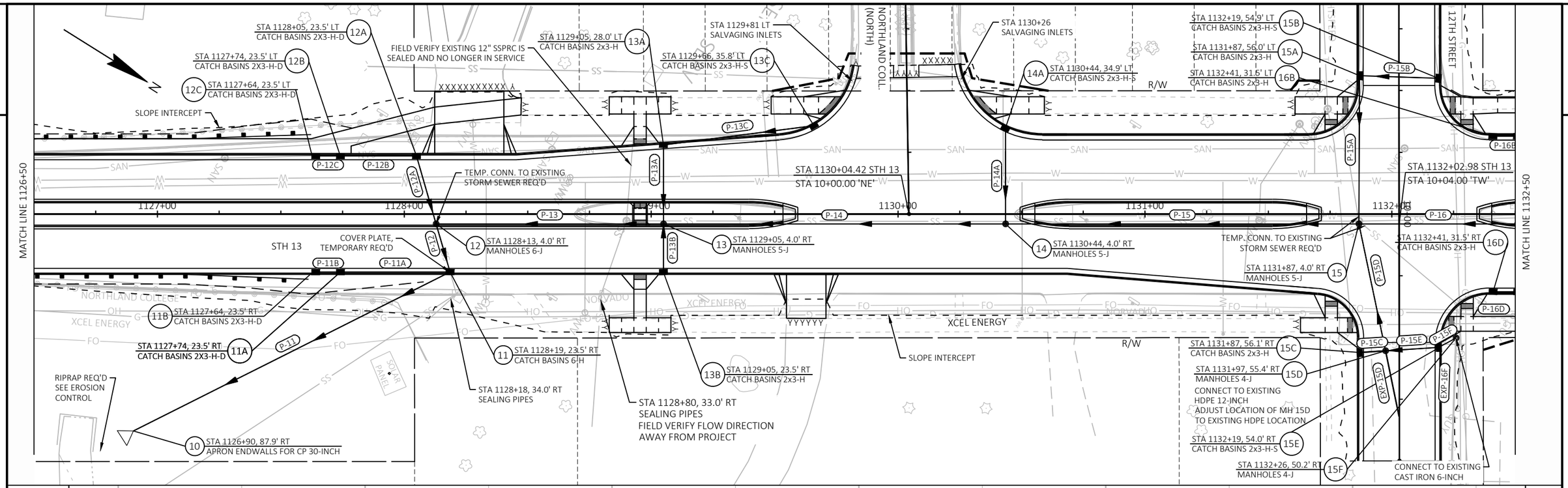

2B
RIM ELEV: 696.92'
SUMP ELEV: 689.78'
2C
RIM ELEV: 697.10'
SUMP ELEV: 691.57'
2D
RIM ELEV: 697.24'
SUMP ELEV: 691.71'
2E
RIM ELEV: 696.79'
SUMP ELEV: 691.77'
700
695
690
685
P-2D
SSPRC CLASS IV 12-INCH
INV UP: 693.71'
INV DN: 693.57'
LENGTH: 20 FT
SLOPE: 0.70%
P-2C
SSPRC CLASS IV 12-INCH
INV UP: 693.57'
INV DN: 693.50'
LENGTH: 17 FT
SLOPE: 0.40%
P-2E
SSPRC CLASS IV 12-INCH
INV UP: 693.77'
INV DN: 693.50'
LENGTH: 39 FT
SLOPE: 0.69%

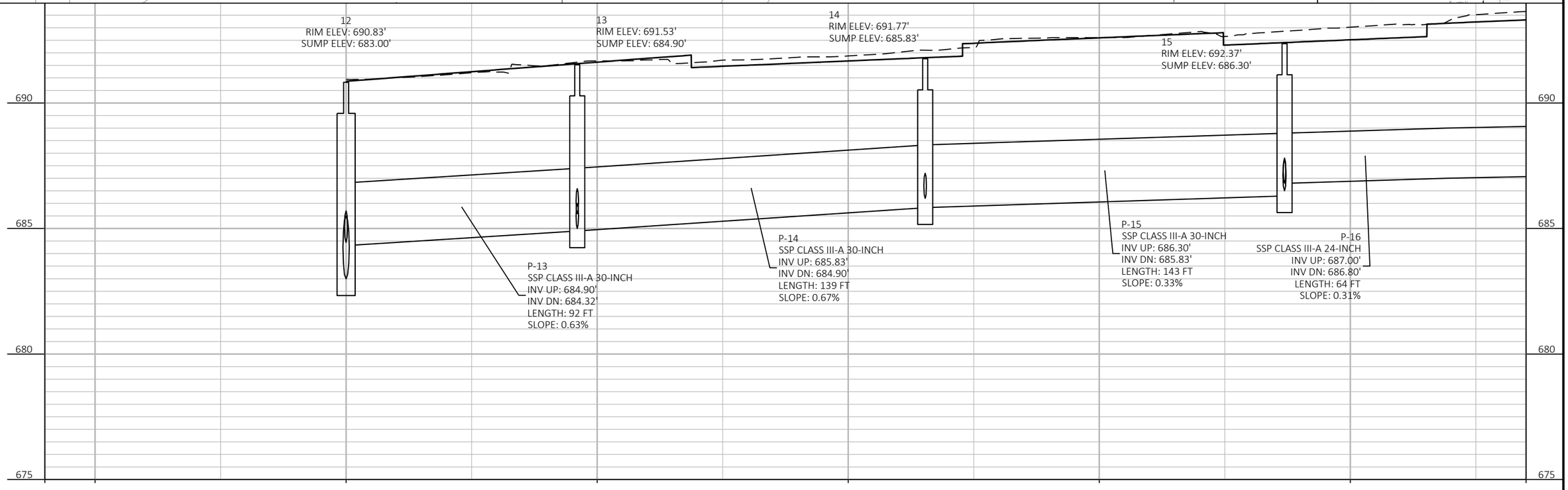

2
RIM ELEV: 697.41'
SUMP ELEV: 691.02'
2B
RIM ELEV: 696.92'
SUMP ELEV: 689.78'
700
695
690
685
P-2B
SSP CLASS III-A 18-INCH
INV UP: 691.78'
INV DN: 691.52'
LENGTH: 32 FT
SLOPE: 0.82%


3A
RIM ELEV: 694.67'
SUMP ELEV: 688.15'
3
RIM ELEV: 695.80'
SUMP ELEV: 689.05'
3B
RIM ELEV: 694.67'
SUMP ELEV: 687.88'
695
690
685
680
P-3A
SSP CLASS III-A 12-INCH
INV UP: 690.15'
INV DN: 689.80'
LENGTH: 28 FT
SLOPE: 1.27%
P-3B
SSP CLASS III-A 15-INCH
INV UP: 689.88'
INV DN: 689.80'
LENGTH: 19 FT
SLOPE: 0.41%

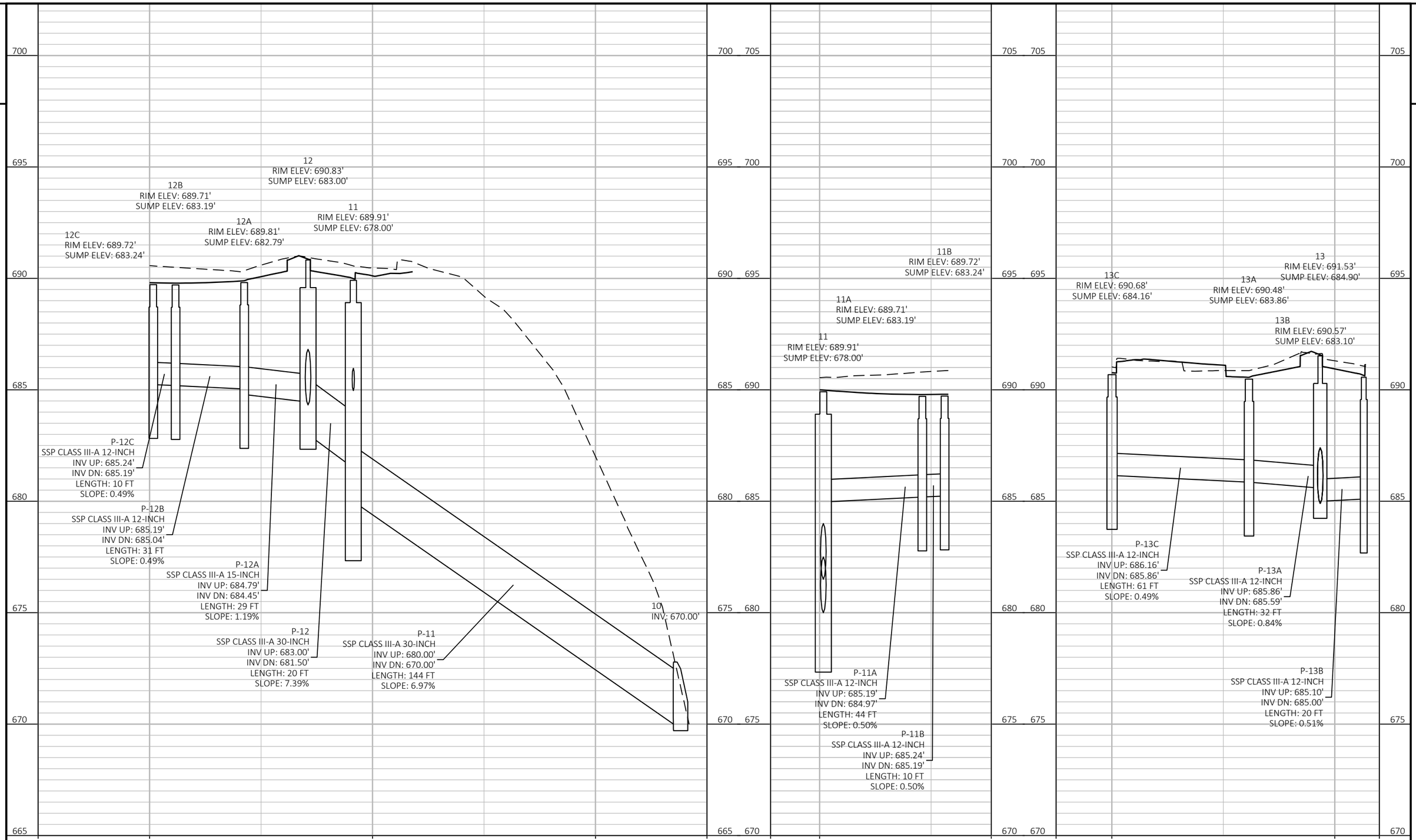


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	STORM SEWER: STH 13	SHEET 88	E





PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	STORM SEWER: STH 13	SHEET 89	E

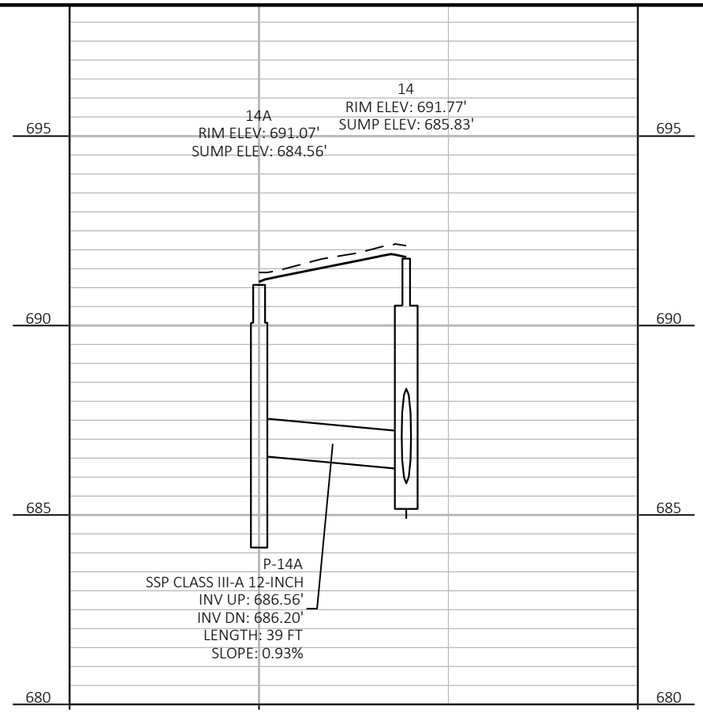


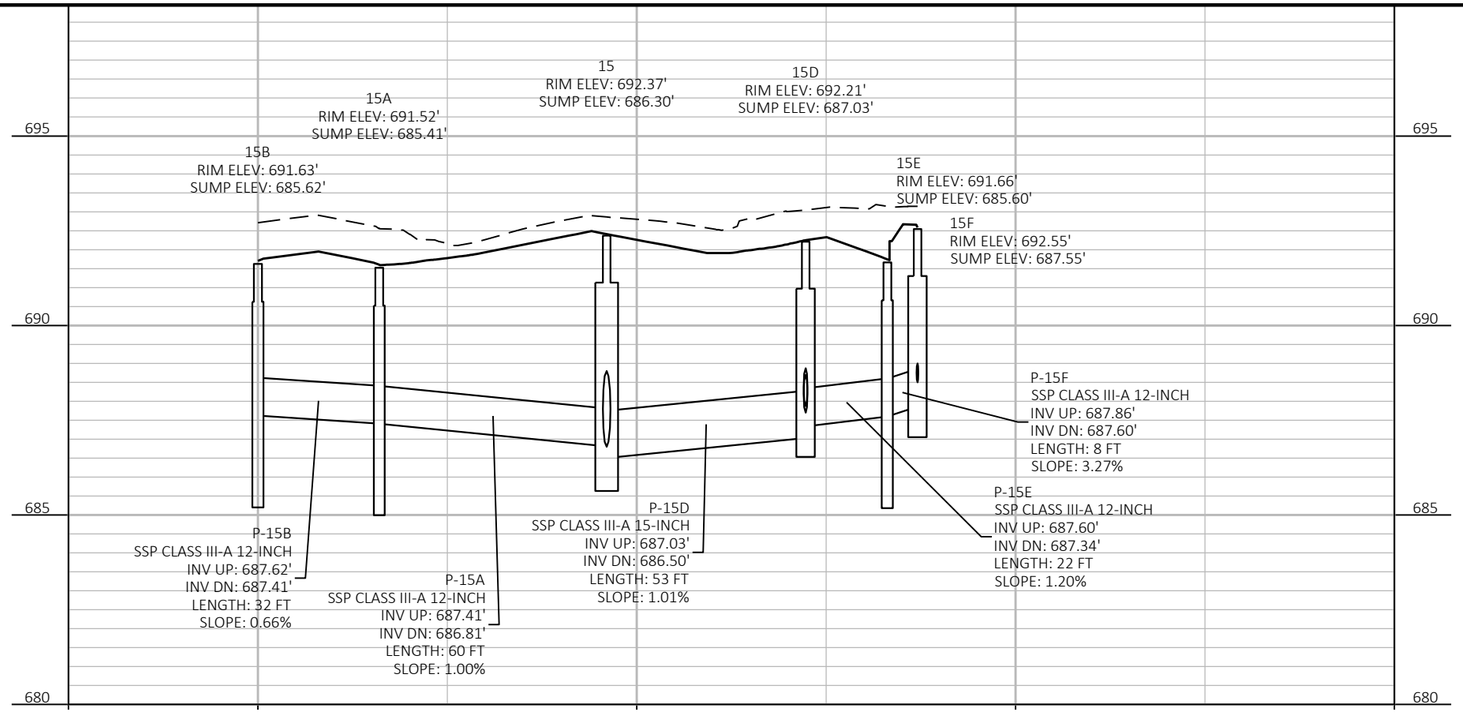
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	STORM SEWER: STH 13	SHEET 90	E

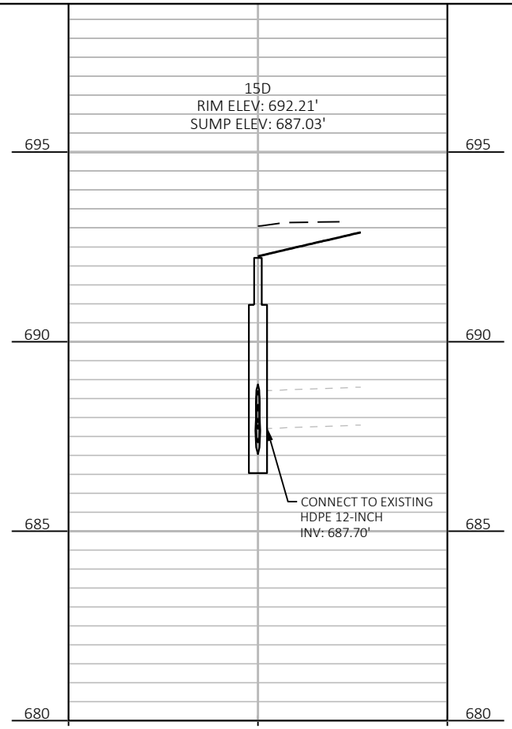
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LAYOUT NAME - 3A

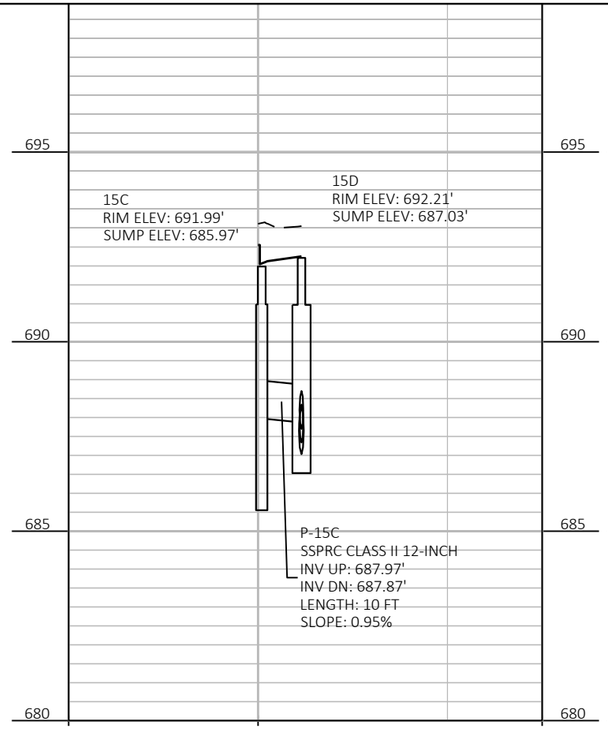
PLOT DATE : 5/13/2024 4:21 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : ##########

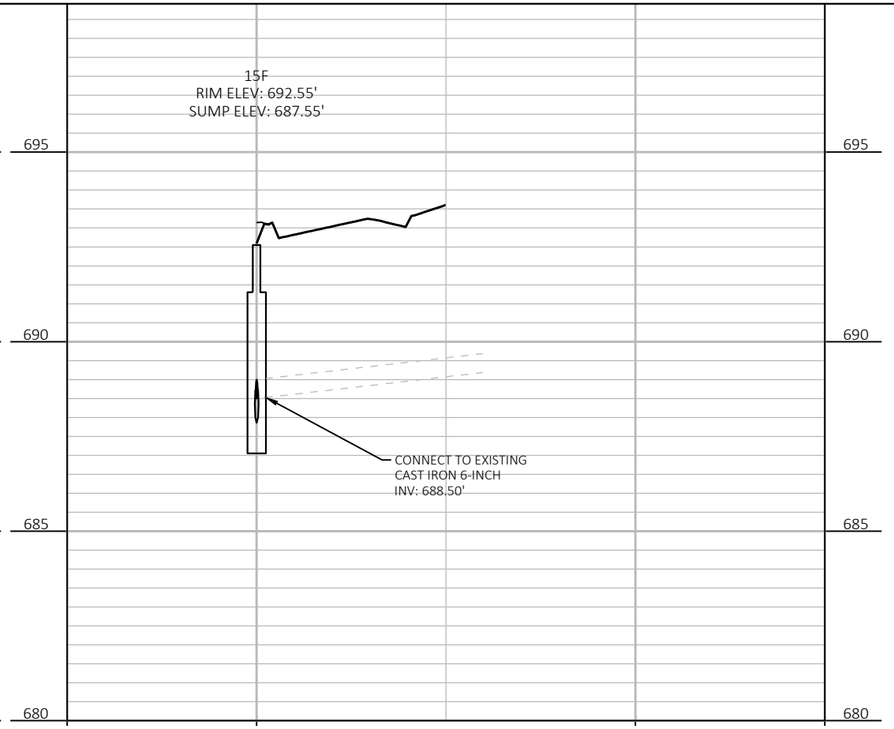
WISDOT/CADDS SHEET 41

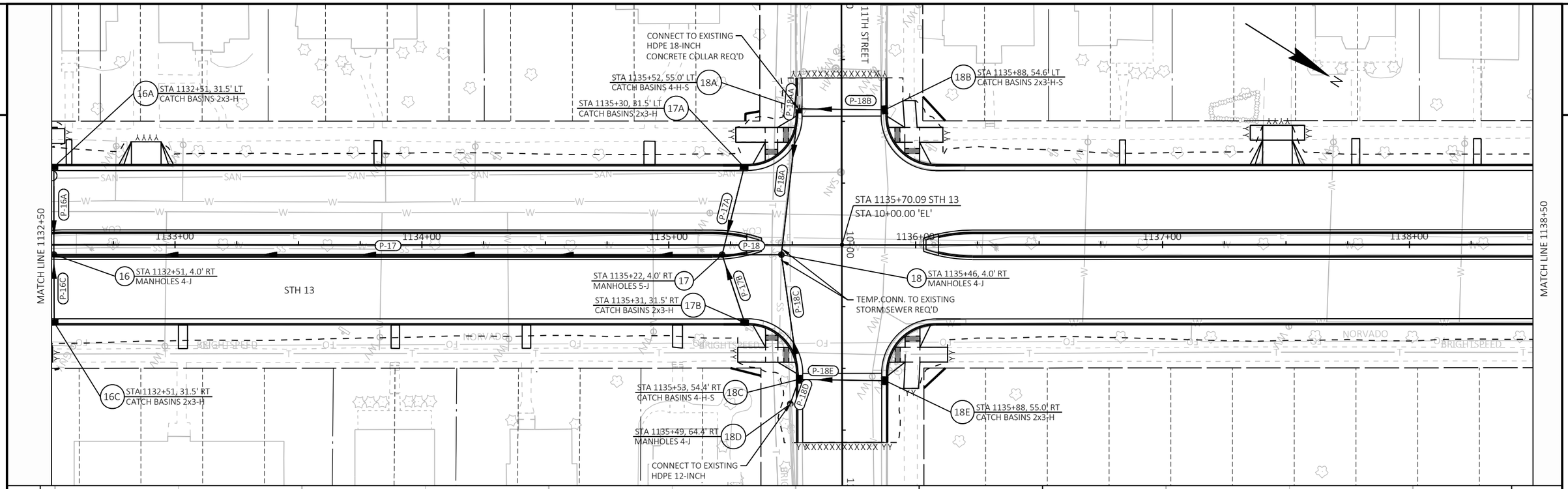

14
RIM ELEV: 691.77'
SUMP ELEV: 685.83'
14A
RIM ELEV: 691.07'
SUMP ELEV: 684.56'
695
690
685
680
P-14A
SSP CLASS III-A 12-INCH
INV UP: 686.56'
INV DN: 686.20'
LENGTH: 39 FT
SLOPE: 0.93%

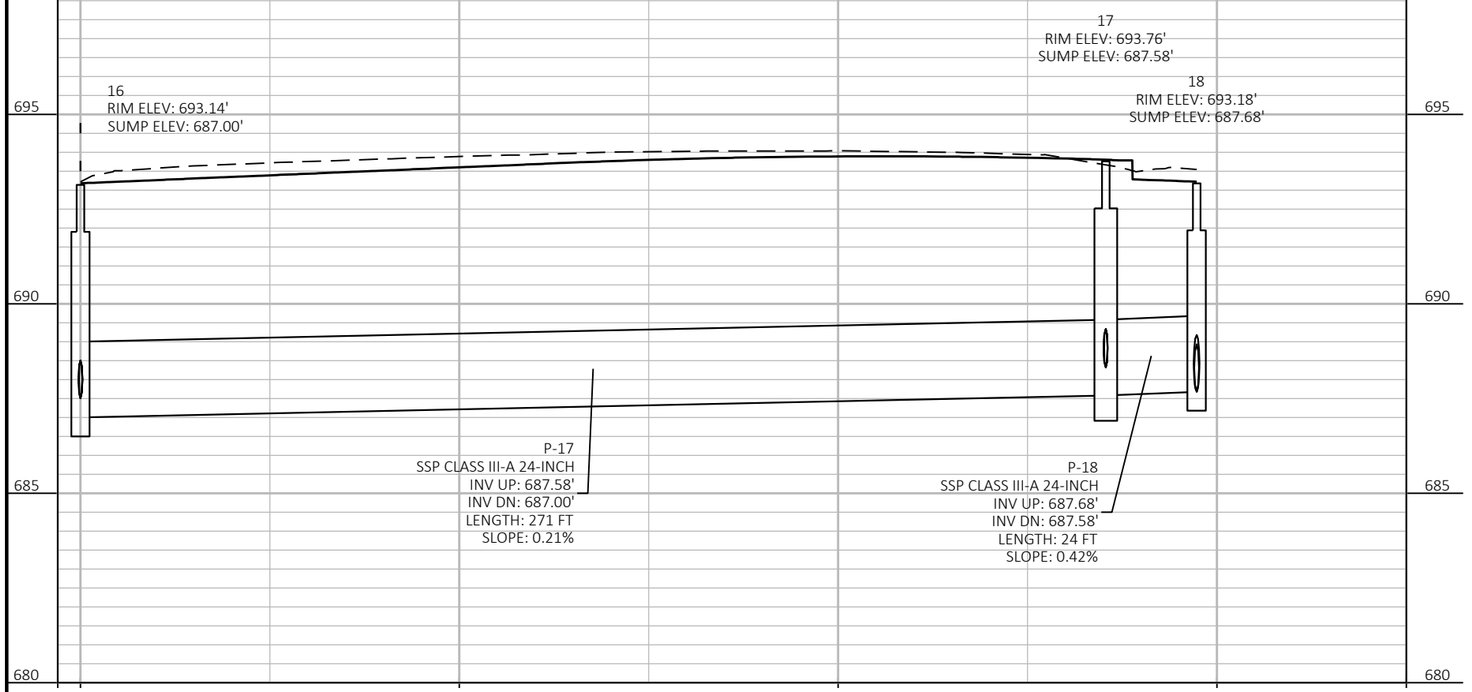

15
RIM ELEV: 692.37'
SUMP ELEV: 686.30'
15D
RIM ELEV: 692.21'
SUMP ELEV: 687.03'
15A
RIM ELEV: 691.52'
SUMP ELEV: 685.41'
15B
RIM ELEV: 691.63'
SUMP ELEV: 685.62'
15E
RIM ELEV: 691.66'
SUMP ELEV: 685.60'
15F
RIM ELEV: 692.55'
SUMP ELEV: 687.55'
695
690
685
680
P-15F
SSP CLASS III-A 12-INCH
INV UP: 687.86'
INV DN: 687.60'
LENGTH: 8 FT
SLOPE: 3.27%
P-15E
SSP CLASS III-A 12-INCH
INV UP: 687.60'
INV DN: 687.34'
LENGTH: 22 FT
SLOPE: 1.20%
P-15D
SSP CLASS III-A 15-INCH
INV UP: 687.03'
INV DN: 686.50'
LENGTH: 53 FT
SLOPE: 1.01%
P-15B
SSP CLASS III-A 12-INCH
INV UP: 687.62'
INV DN: 687.41'
LENGTH: 32 FT
SLOPE: 0.66%
P-15A
SSP CLASS III-A 12-INCH
INV UP: 687.41'
INV DN: 686.81'
LENGTH: 60 FT
SLOPE: 1.00%

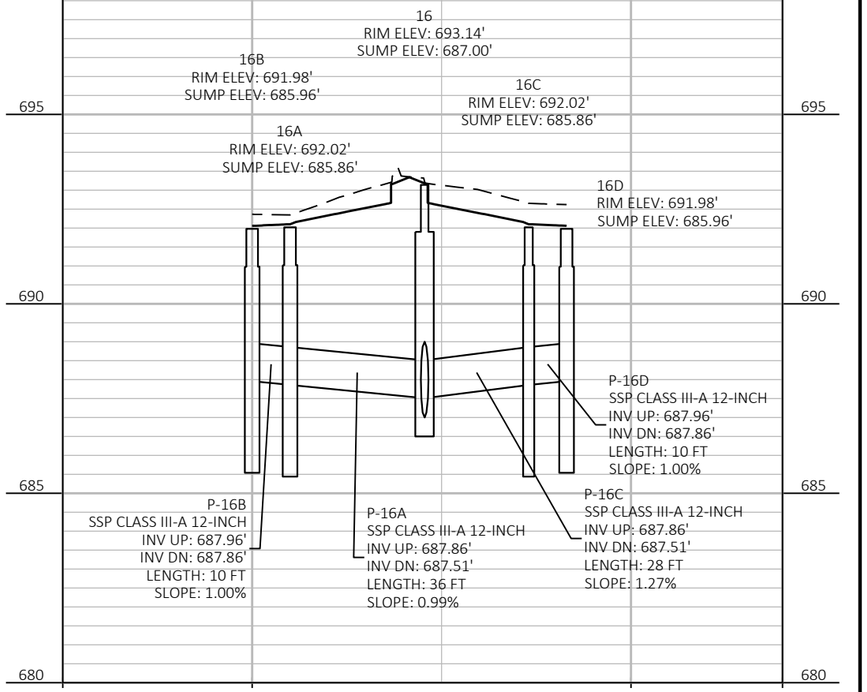

15D
RIM ELEV: 692.21'
SUMP ELEV: 687.03'
695
690
685
680
CONNECT TO EXISTING
HDPE 12-INCH
INV: 687.70'


15C
RIM ELEV: 691.99'
SUMP ELEV: 685.97'
15D
RIM ELEV: 692.21'
SUMP ELEV: 687.03'
695
690
685
680
P-15C
SSPRC CLASS II 12-INCH
INV UP: 687.97'
INV DN: 687.87'
LENGTH: 10 FT
SLOPE: 0.95%

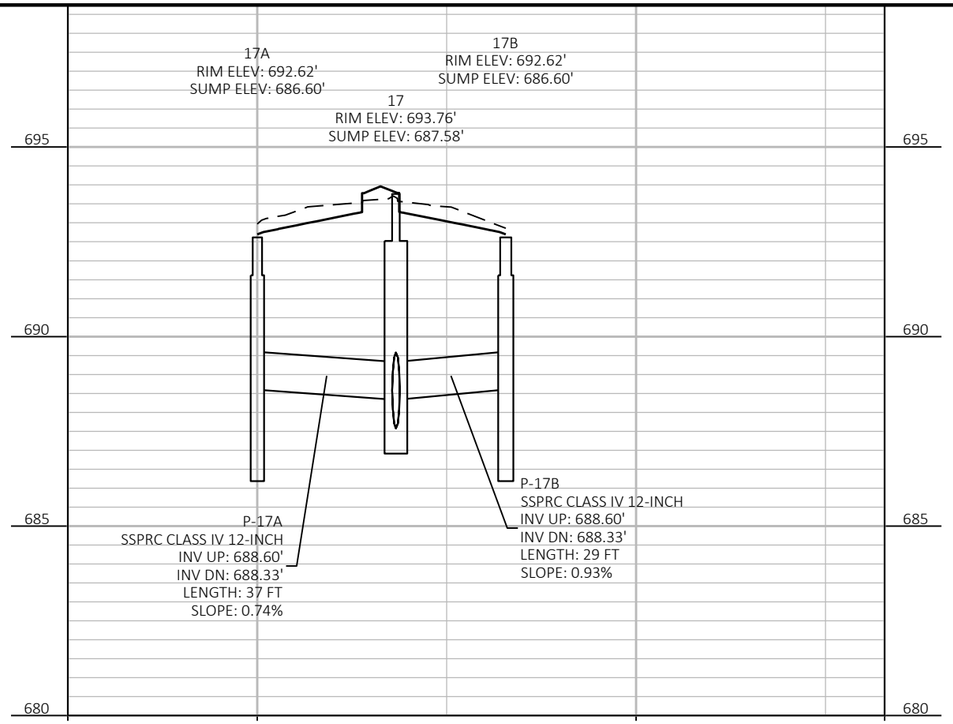

15F
RIM ELEV: 692.55'
SUMP ELEV: 687.55'
695
690
685
680
CONNECT TO EXISTING
CAST IRON 6-INCH
INV: 688.50'

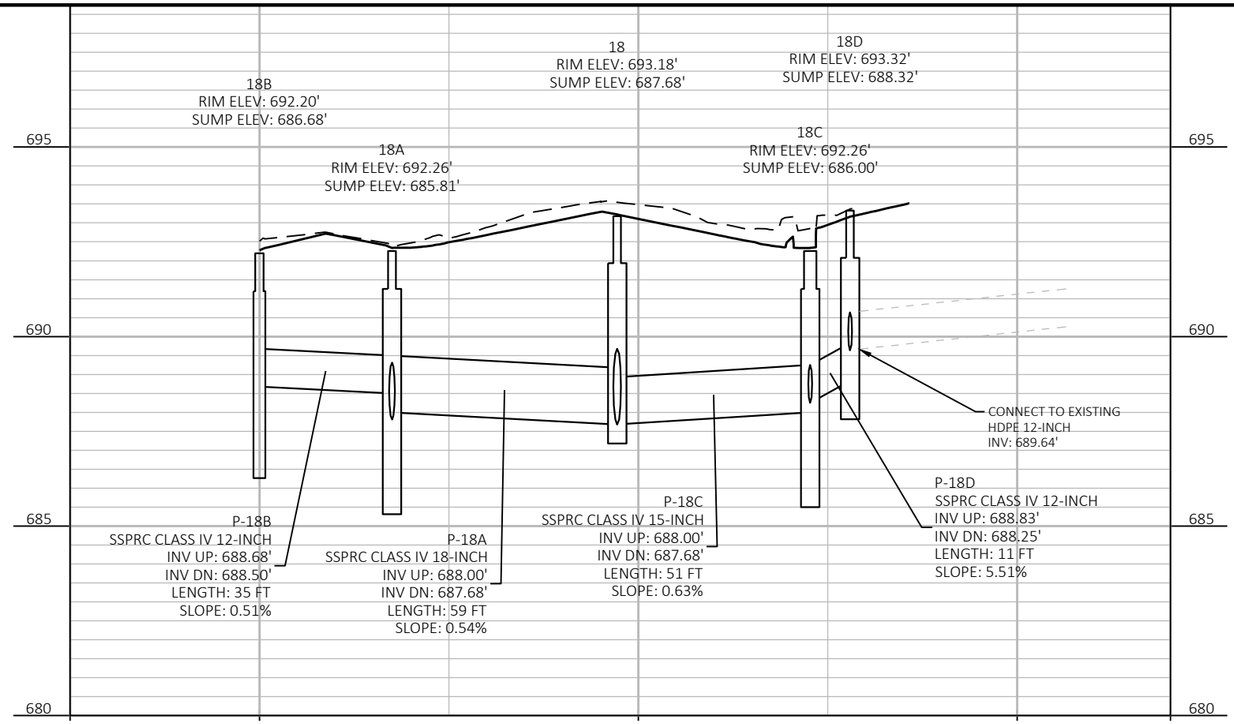


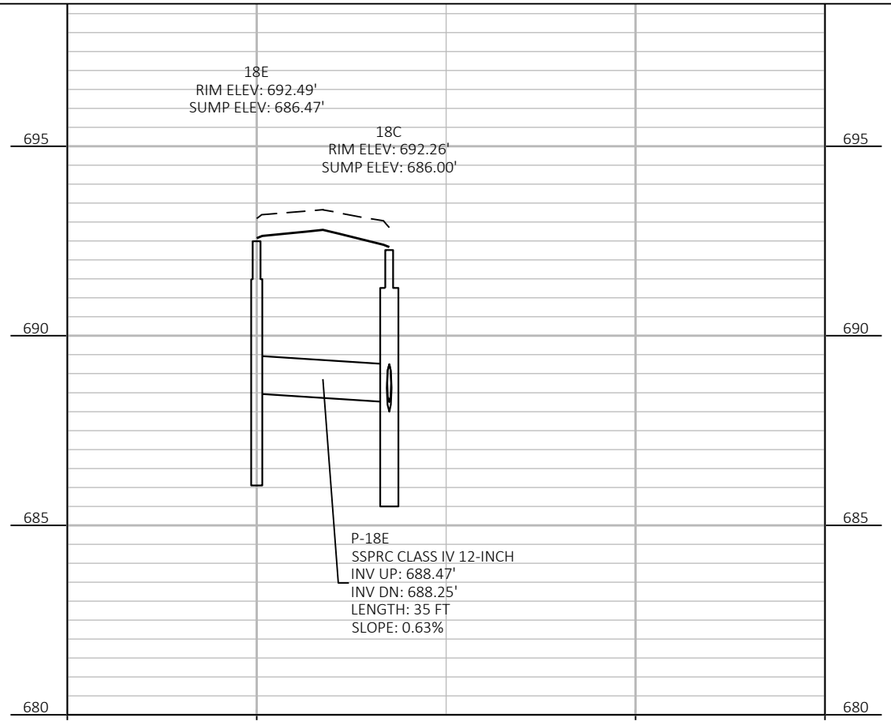


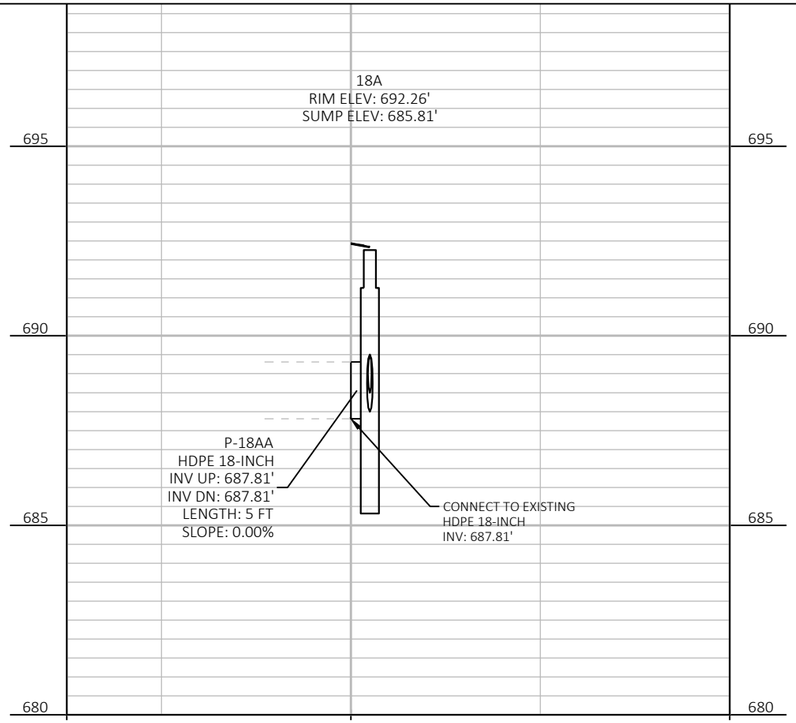


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	STORM SEWER: STH 13	SHEET 92	E


17A
RIM ELEV: 692.62'
SUMP ELEV: 686.60'
17B
RIM ELEV: 692.62'
SUMP ELEV: 686.60'
17
RIM ELEV: 693.76'
SUMP ELEV: 687.58'
695
690
685
680
P-17A
SSPRC CLASS IV 12-INCH
INV UP: 688.60'
INV DN: 688.33'
LENGTH: 37 FT
SLOPE: 0.74%
P-17B
SSPRC CLASS IV 12-INCH
INV UP: 688.60'
INV DN: 688.33'
LENGTH: 29 FT
SLOPE: 0.93%


18B
RIM ELEV: 692.20'
SUMP ELEV: 686.68'
18
RIM ELEV: 693.18'
SUMP ELEV: 687.68'
18D
RIM ELEV: 693.32'
SUMP ELEV: 688.32'
18A
RIM ELEV: 692.26'
SUMP ELEV: 685.81'
18C
RIM ELEV: 692.26'
SUMP ELEV: 686.00'
695
690
685
680
P-18B
SSPRC CLASS IV 12-INCH
INV UP: 688.68'
INV DN: 688.50'
LENGTH: 35 FT
SLOPE: 0.51%
P-18A
SSPRC CLASS IV 18-INCH
INV UP: 688.00'
INV DN: 687.68'
LENGTH: 59 FT
SLOPE: 0.54%
P-18C
SSPRC CLASS IV 15-INCH
INV UP: 688.00'
INV DN: 687.68'
LENGTH: 51 FT
SLOPE: 0.63%
CONNECT TO EXISTING
HDPE 12-INCH
INV: 689.64'
P-18D
SSPRC CLASS IV 12-INCH
INV UP: 688.83'
INV DN: 688.25'
LENGTH: 11 FT
SLOPE: 5.51%


18E
RIM ELEV: 692.49'
SUMP ELEV: 686.47'
18C
RIM ELEV: 692.26'
SUMP ELEV: 686.00'
695
690
685
680
P-18E
SSPRC CLASS IV 12-INCH
INV UP: 688.47'
INV DN: 688.25'
LENGTH: 35 FT
SLOPE: 0.63%


18A
RIM ELEV: 692.26'
SUMP ELEV: 685.81'
695
690
685
680
P-18AA
HDPE 18-INCH
INV UP: 687.81'
INV DN: 687.81'
LENGTH: 5 FT
SLOPE: 0.00%
CONNECT TO EXISTING
HDPE 18-INCH
INV: 687.81'

2

MATCH LINE 1138+50

10TH STREET

CONNECT TO EXISTING HDPE 12-INCH CONCRETE COLLAR REQ'D

NOTE:
ROTATE FLAT TOPS ON ALL STORM SEWER MANHOLES LOCATED 25.0' LT TO KEEP CASTINGS OUT OF THE BICYCLE LANE

STA 1138+98, 31.5' LT
CATCH BASINS 5-H
20A

R/W

SLOPE INTERCEPT

STA 1142+86, 55.3' LT
CATCH BASINS 4-H-S
22A

STA 1142+65, 31.5' LT
CATCH BASINS 2x3-H
21A

9TH STREET

CONNECT TO EXISTING SSPRC 12-INCH

STA 1143+21, 63.5' LT
MANHOLES 4-J
22C

STA 1143+18, 56.0' LT
CATCH BASINS 2x3-H
22B

P-20D
P-20A
P-20
P-21A
P-21
P-22A
P-22B
P-22C
P-22

20 STA 1139+13, 25.0' LT
MANHOLES 5-J

STA 1142+65, 25.0' LT
MANHOLES 4-J
21

22 STA 1142+83, 25.0' LT
MANHOLES 6-J

STA 1139+35.74 STH 13
STA 10+00.00 'TE'

STA 1143+02.68 STH 13
STA 10+00.00 'NI'

1139+00 1140+00 1141+00 1142+00 1143+00 1144+00

P-20B
P-20E

TEMP. CONN. TO EXISTING STORM SEWER REQ'D

20C STA 1138+87, 31.5' RT
CATCH BASINS 2x3-H

20B STA 1138+97, 31.5' RT
CATCH BASINS 2x3-H

STH 13

STA 1142+65, 31.5' RT
CATCH BASINS 2x3-H
21B

STA 1142+55, 31.5' RT
CATCH BASINS 2x3-H
21C

P-21B
P-22D

TEMP. CONN. TO EXISTING STORM SEWER REQ'D

P-20C
P-21C

NORVADO

CONNECT TO EXISTING PVC 6-INCH INSTALL BENDS AS REQ'D

P-20F
P-20G
P-20H
P-22F
P-22E

20H STA 1139+54, 54.5' RT
CATCH BASINS 2x3-H

R/W

SLOPE INTERCEPT

STA 1142+85, 55.3' RT
CATCH BASINS 4-H-S
22D

STA 1142+85, 63.3' RT
CATCH BASINS 2x3-H
22E

22F STA 1143+20, 54.0' RT
CATCH BASINS 2x3-H

STA 1139+18, 54.3' RT
CATCH BASINS 4-H-S
20E

STA 1139+18, 62.3' RT
CATCH BASINS 2x3-H
20G

MATCH LINE 1144+50

2

20A
RIM ELEV: 689.19'
SUMP ELEV: 682.30'

20
RIM ELEV: 689.23'
SUMP ELEV: 683.00'

21
RIM ELEV: 685.54'
SUMP ELEV: 680.60'

22
RIM ELEV: 685.44'
SUMP ELEV: 679.50'

690
685
680
675

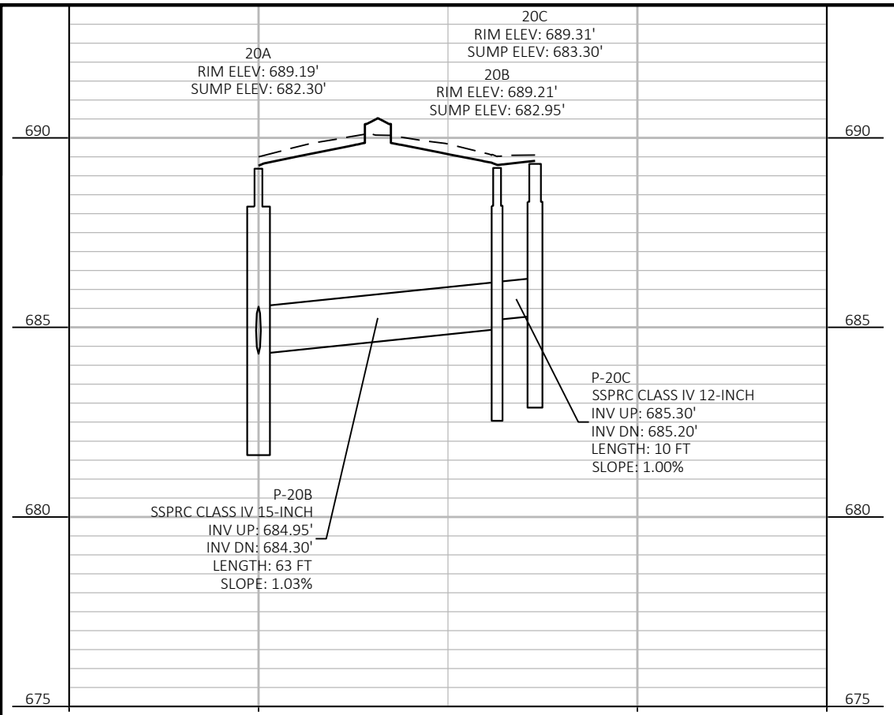
P-20A
SSPRC CLASS IV 15-INCH
INV UP: 684.30'
INV DN: 684.00'
LENGTH: 16 FT
SLOPE: 1.91%

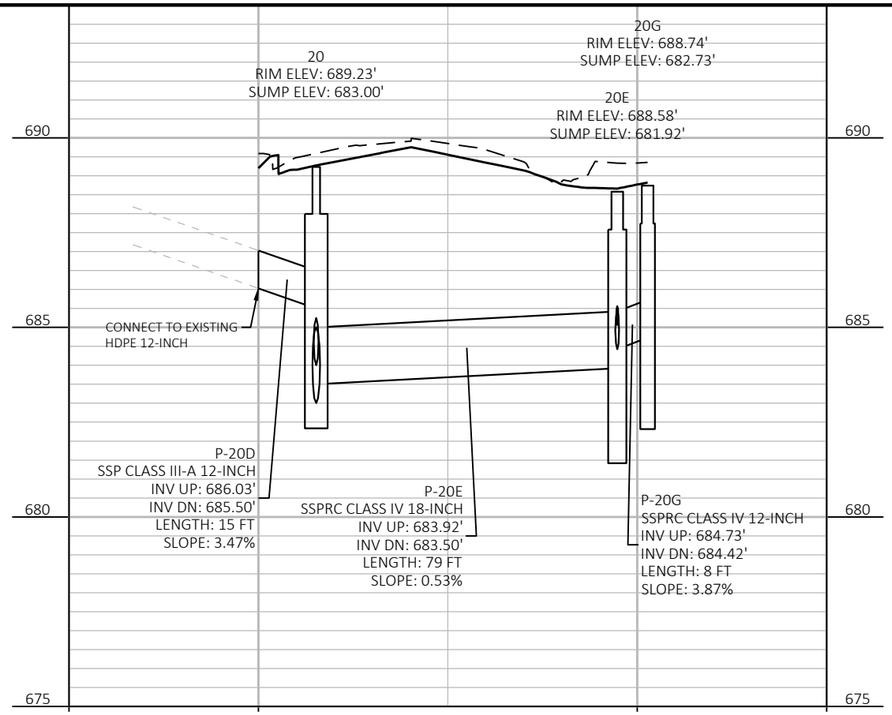
P-20
SSPRC CLASS IV 24-INCH
INV UP: 683.00'
INV DN: 680.60'
LENGTH: 352 FT
SLOPE: 0.68%

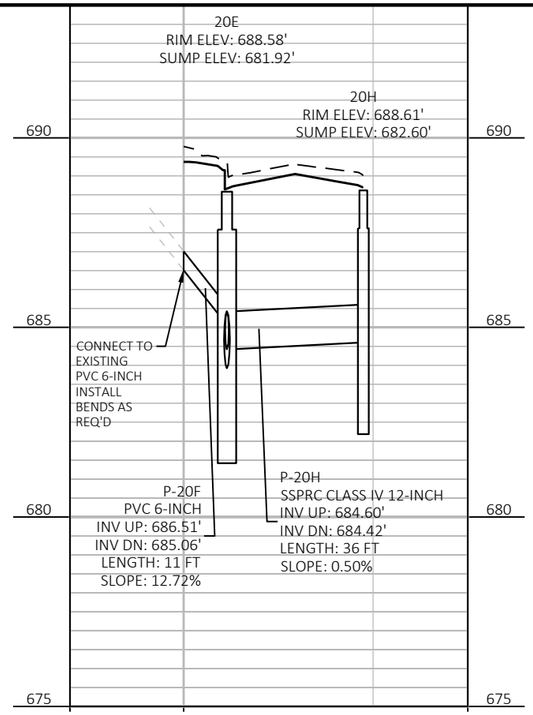
P-21
SSPRC CLASS IV 24-INCH
INV UP: 680.60'
INV DN: 680.50'
LENGTH: 18 FT
SLOPE: 0.57%

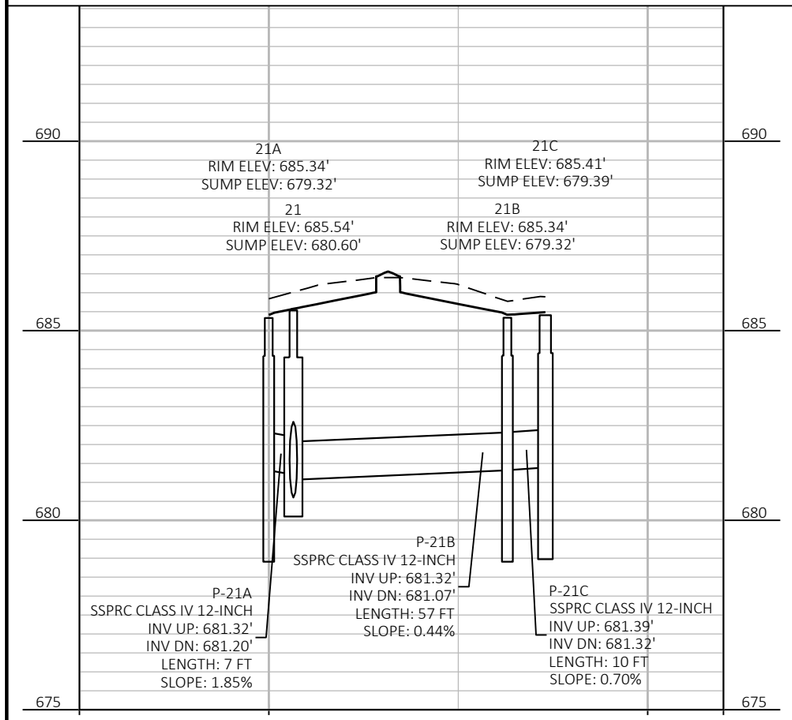
P-22
SSPRC CLASS IV 36-INCH
INV UP: 679.50'
INV DN: 677.92'
LENGTH: 337 FT
SLOPE: 0.47%

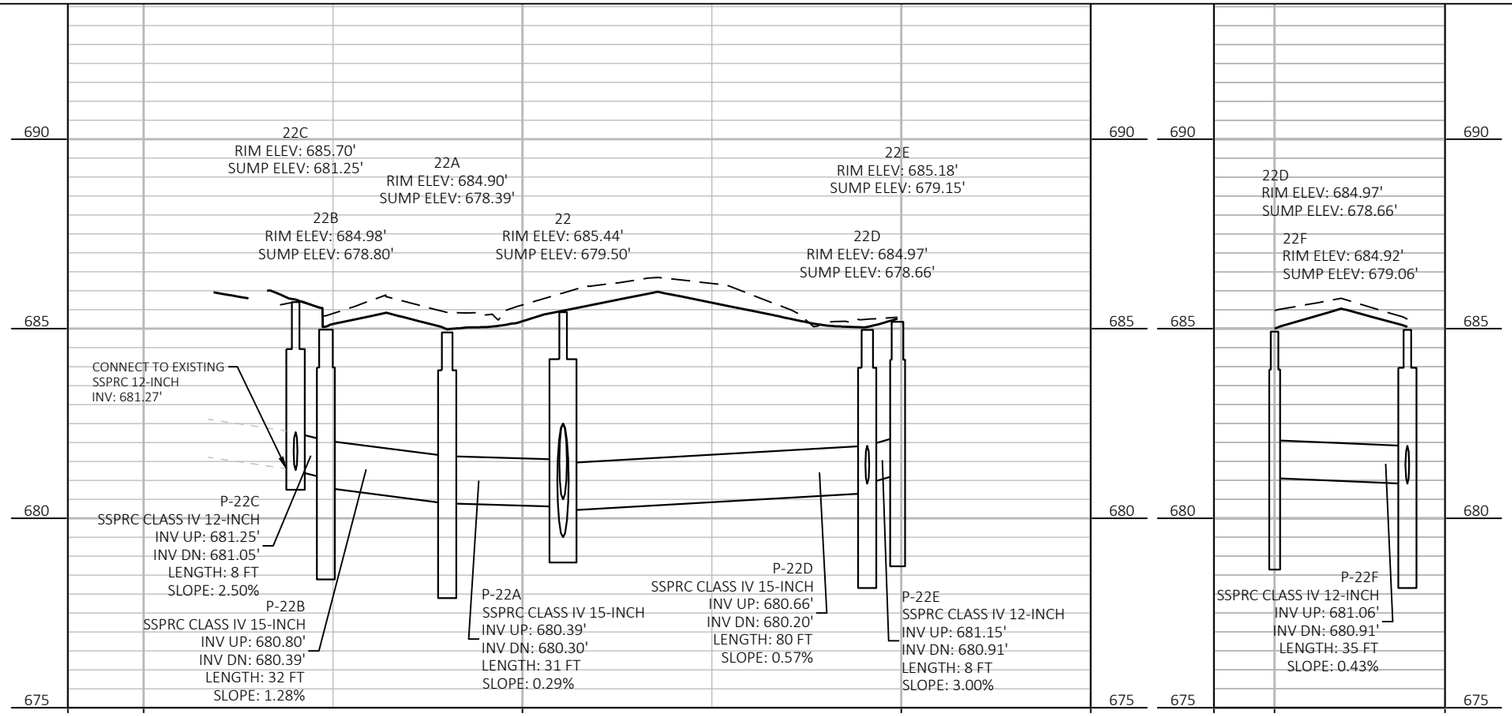
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	STORM SEWER: STH 13	SHEET 94	E











PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	STORM SEWER: STH 13	SHEET 95	E

NOTE:
ROTATE FLAT TOPS ON ALL STORM SEWER MANHOLES LOCATED 25.0' LT TO KEEP CASTINGS OUT OF THE BICYCLE LANE

MATCH LINE 1144+50

MATCH LINE 1150+50

8TH STREET

7TH STREET

STH 13

NORVADO

STA 1146+53, 63.0' LT
CATCH BASINS 2x3-H
24B

STA 1146+53, 55.0' LT
CATCH BASINS 4-H-S
24A

STA 1146+30, 31.5' LT
CATCH BASINS 2x3-H
23B

STA 1146+20, 31.5' LT
CATCH BASINS 2x3-H
23A

STA 1146+20, 25.0' LT
MANHOLES 5-J
23

STA 1146+54, 25.0' LT
MANHOLES 6-J
24

STA 1146+84, 55.0' LT
CATCH BASINS 2x3-H
24C

STA 1150+17, 55.0' LT
CATCH BASINS 2x3-H-S
26A

STA 1149+96, 31.5' LT
CATCH BASINS 2x3-H
25B

STA 1149+86, 31.5' LT
CATCH BASINS 2x3-H
25A

STA 1149+86, 25.0' LT
MANHOLES 5-J
25

STA 1150+11, 25.0' LT
MANHOLES 6-J
26

STA 1146+20, 31.5' RT
CATCH BASINS 2x3-H
23C

STA 1146+30, 31.5' RT
CATCH BASINS 2x3-H
23D

STA 1146+51, 53.8' RT
CATCH BASINS 4-H-S
24D

CONNECT TO EXISTING
SSPRC 24-INCH

STA 1146+85, 54.3' RT
CATCH BASINS 2x3-H
24E

STA 1149+86, 31.5' RT
CATCH BASINS 2x3-H
25C

STA 1149+96, 31.5' RT
CATCH BASINS 2x3-H
25D

STA 1150+17, 54.3' RT
CATCH BASINS 2x3-H-S
26B

P-22 P-23 P-24 P-25 P-26
P-23A P-23B P-23C P-23D
P-24A P-24B P-24C P-24D P-24E
P-25A P-25B P-25C P-25D
P-26A P-26B P-26C

1145+00 1146+00 1147+00 1148+00 1149+00 1150+00

23
RIM ELEV: 684.05'
SUMP ELEV: 677.92'

24
RIM ELEV: 683.91'
SUMP ELEV: 677.70'

26
RIM ELEV: 681.38'
SUMP ELEV: 675.50'

25
RIM ELEV: 681.62'
SUMP ELEV: 675.64'

685
680
675
670

P-22
SSPRC CLASS IV 36-INCH
INV UP: 679.50'
INV DN: 677.92'
LENGTH: 337 FT
SLOPE: 0.47%

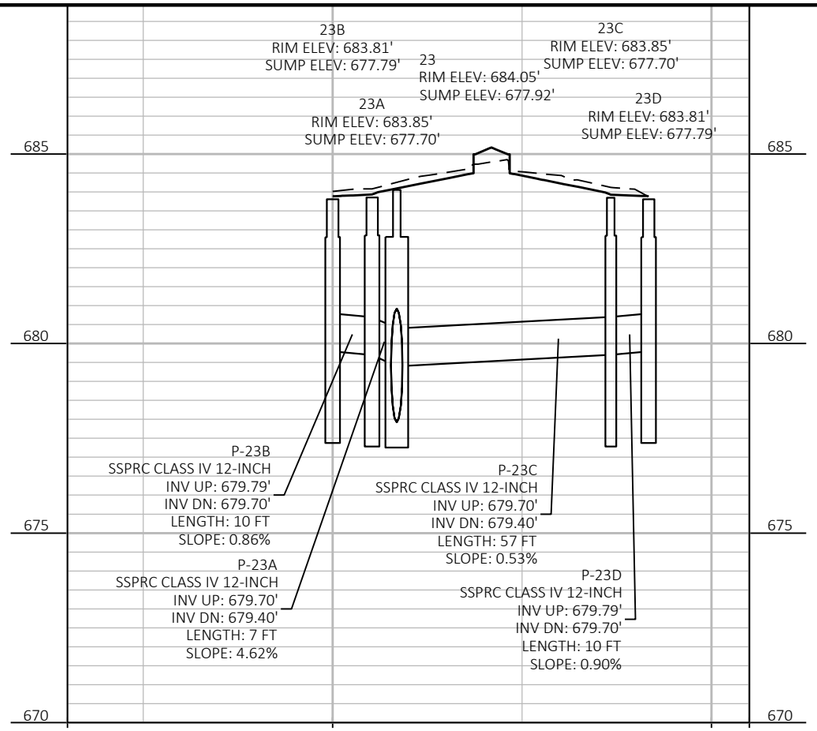
P-23
SSPRC CLASS IV 36-INCH
INV UP: 677.92'
INV DN: 677.70'
LENGTH: 34 FT
SLOPE: 0.65%

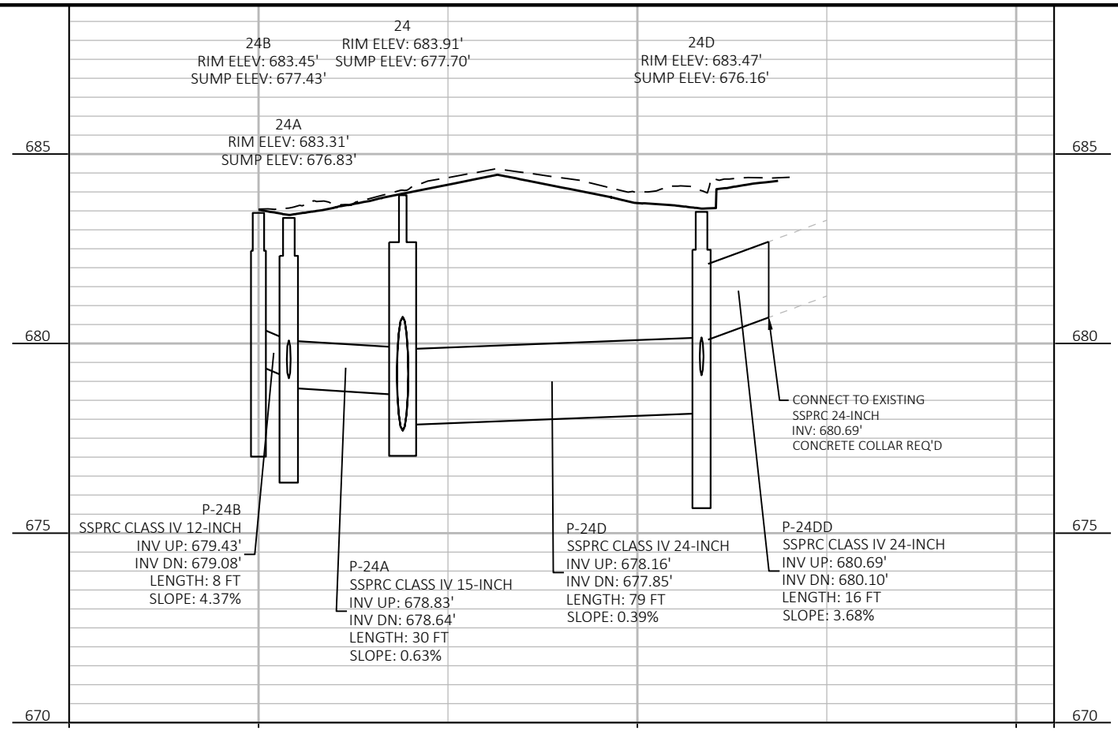
P-24
SSPRC CLASS IV 36-INCH
INV UP: 677.70'
INV DN: 675.64'
LENGTH: 332 FT
SLOPE: 0.62%

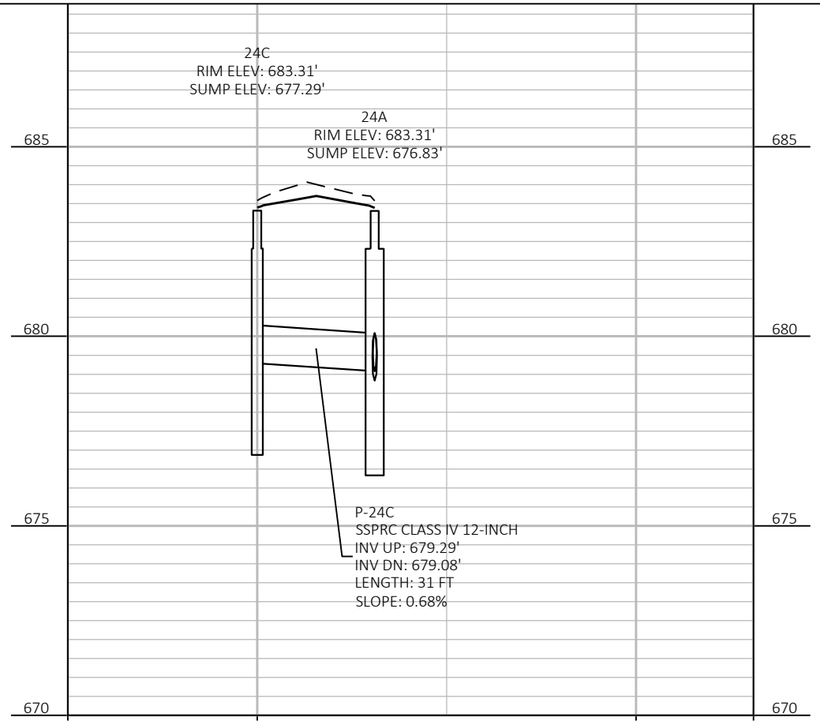
P-25
SSPRC CLASS IV 36-INCH
INV UP: 675.64'
INV DN: 675.50'
LENGTH: 25 FT
SLOPE: 0.57%

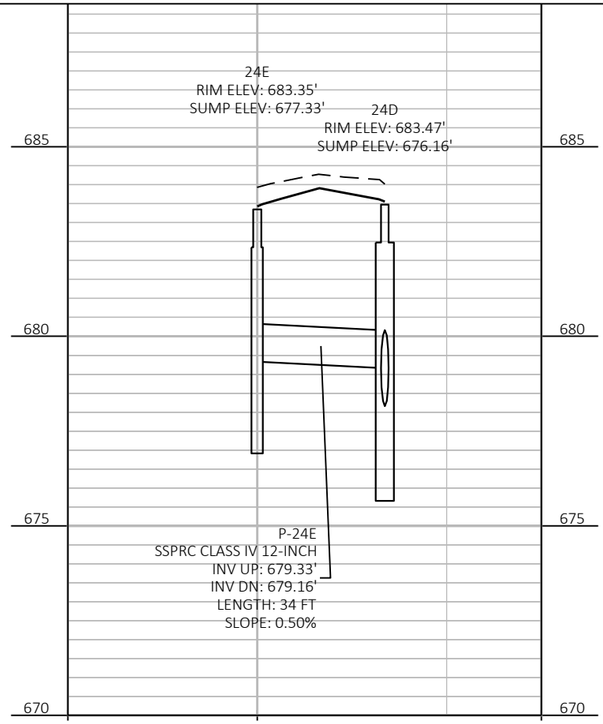
P-26
SSPRCHE CLASS HE-IV 29x45-INCH
INV UP: 675.50'
INV DN: 673.50'
LENGTH: 321 FT
SLOPE: 0.62%

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	STORM SEWER: STH 13	SHEET 96	E

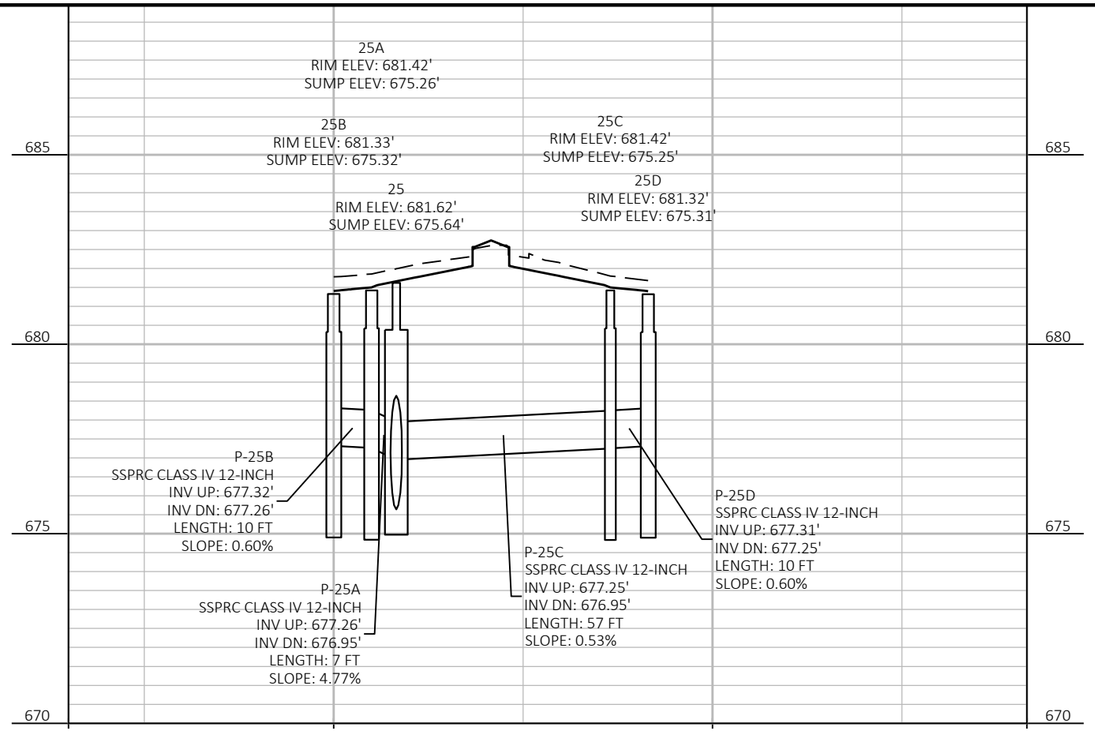

23B
RIM ELEV: 683.81'
SUMP ELEV: 677.79'
23
RIM ELEV: 684.05'
SUMP ELEV: 677.92'
23C
RIM ELEV: 683.85'
SUMP ELEV: 677.70'
23A
RIM ELEV: 683.85'
SUMP ELEV: 677.70'
23D
RIM ELEV: 683.81'
SUMP ELEV: 677.79'
685
680
675
670
P-23B
SSPRC CLASS IV 12-INCH
INV UP: 679.79'
INV DN: 679.70'
LENGTH: 10 FT
SLOPE: 0.86%
P-23A
SSPRC CLASS IV 12-INCH
INV UP: 679.70'
INV DN: 679.40'
LENGTH: 7 FT
SLOPE: 4.62%
P-23C
SSPRC CLASS IV 12-INCH
INV UP: 679.70'
INV DN: 679.40'
LENGTH: 57 FT
SLOPE: 0.53%
P-23D
SSPRC CLASS IV 12-INCH
INV UP: 679.79'
INV DN: 679.70'
LENGTH: 10 FT
SLOPE: 0.90%

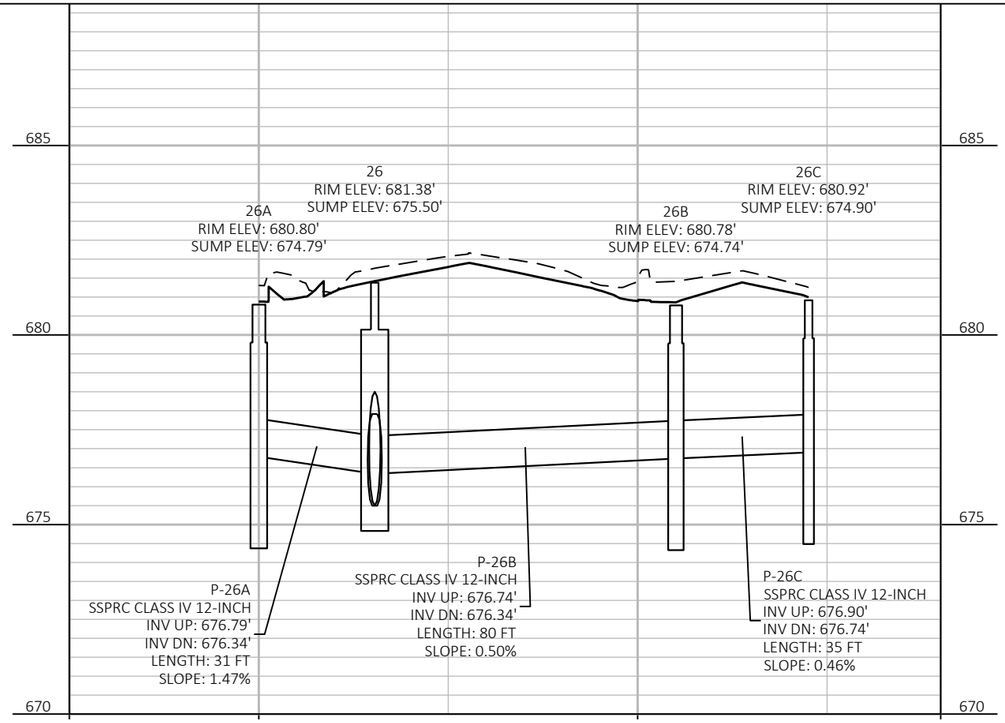

24
RIM ELEV: 683.91'
SUMP ELEV: 677.70'
24B
RIM ELEV: 683.45'
SUMP ELEV: 677.43'
24D
RIM ELEV: 683.47'
SUMP ELEV: 676.16'
24A
RIM ELEV: 683.31'
SUMP ELEV: 676.83'
685
680
675
670
CONNECT TO EXISTING
SSPRC 24-INCH
INV: 680.69'
CONCRETE COLLAR REQ'D
P-24B
SSPRC CLASS IV 12-INCH
INV UP: 679.43'
INV DN: 679.08'
LENGTH: 8 FT
SLOPE: 4.37%
P-24A
SSPRC CLASS IV 15-INCH
INV UP: 678.83'
INV DN: 678.64'
LENGTH: 30 FT
SLOPE: 0.63%
P-24D
SSPRC CLASS IV 24-INCH
INV UP: 678.16'
INV DN: 677.85'
LENGTH: 79 FT
SLOPE: 0.39%
P-24DD
SSPRC CLASS IV 24-INCH
INV UP: 680.69'
INV DN: 680.10'
LENGTH: 16 FT
SLOPE: 3.68%


24C
RIM ELEV: 683.31'
SUMP ELEV: 677.29'
24A
RIM ELEV: 683.31'
SUMP ELEV: 676.83'
685
680
675
670
P-24C
SSPRC CLASS IV 12-INCH
INV UP: 679.29'
INV DN: 679.08'
LENGTH: 31 FT
SLOPE: 0.68%


24E
RIM ELEV: 683.35'
SUMP ELEV: 677.33'
24D
RIM ELEV: 683.47'
SUMP ELEV: 676.16'
685
680
675
670
P-24E
SSPRC CLASS IV 12-INCH
INV UP: 679.33'
INV DN: 679.16'
LENGTH: 34 FT
SLOPE: 0.50%

2


25A
RIM ELEV: 681.42'
SUMP ELEV: 675.26'
25B
RIM ELEV: 681.33'
SUMP ELEV: 675.32'
25C
RIM ELEV: 681.42'
SUMP ELEV: 675.25'
25
RIM ELEV: 681.62'
SUMP ELEV: 675.64'
25D
RIM ELEV: 681.32'
SUMP ELEV: 675.31'
685
680
675
670
P-25B
SSPRC CLASS IV 12-INCH
INV UP: 677.32'
INV DN: 677.26'
LENGTH: 10 FT
SLOPE: 0.60%
P-25A
SSPRC CLASS IV 12-INCH
INV UP: 677.26'
INV DN: 676.95'
LENGTH: 7 FT
SLOPE: 4.77%
P-25C
SSPRC CLASS IV 12-INCH
INV UP: 677.25'
INV DN: 676.95'
LENGTH: 57 FT
SLOPE: 0.53%
P-25D
SSPRC CLASS IV 12-INCH
INV UP: 677.31'
INV DN: 677.25'
LENGTH: 10 FT
SLOPE: 0.60%


26
RIM ELEV: 681.38'
SUMP ELEV: 675.50'
26A
RIM ELEV: 680.80'
SUMP ELEV: 674.79'
26B
RIM ELEV: 680.78'
SUMP ELEV: 674.74'
26C
RIM ELEV: 680.92'
SUMP ELEV: 674.90'
685
680
675
670
P-26A
SSPRC CLASS IV 12-INCH
INV UP: 676.79'
INV DN: 676.34'
LENGTH: 31 FT
SLOPE: 1.47%
P-26B
SSPRC CLASS IV 12-INCH
INV UP: 676.74'
INV DN: 676.34'
LENGTH: 80 FT
SLOPE: 0.50%
P-26C
SSPRC CLASS IV 12-INCH
INV UP: 676.90'
INV DN: 676.74'
LENGTH: 35 FT
SLOPE: 0.46%

NOTE:
ROTATE FLAT TOPS ON ALL STORM SEWER MANHOLES LOCATED 25.0' LT TO KEEP CASTINGS OUT OF THE BICYCLE LANE

MATCH LINE 1150+50

STA 1153+46, 31.5' LT
CATCH BASINS 2x3-H
28A

STA 1153+39, 36.1' LT
MANHOLES 8-J
RECONSTRUCTING MANHOLES
28

TEMPORARY CONNECTION TO EXISTING STORM SEWER

P-28

P-27

P-28A

CONNECT TO EXISTING SSPRC 24-INCH CONCRETE COLLAR REQ'D

P-26

STA 1153+32, 25.0' LT
MANHOLES 7-J
27

6TH STREET

1151+00 1152+00 1153+00 1154+00 1155+00 1156+00

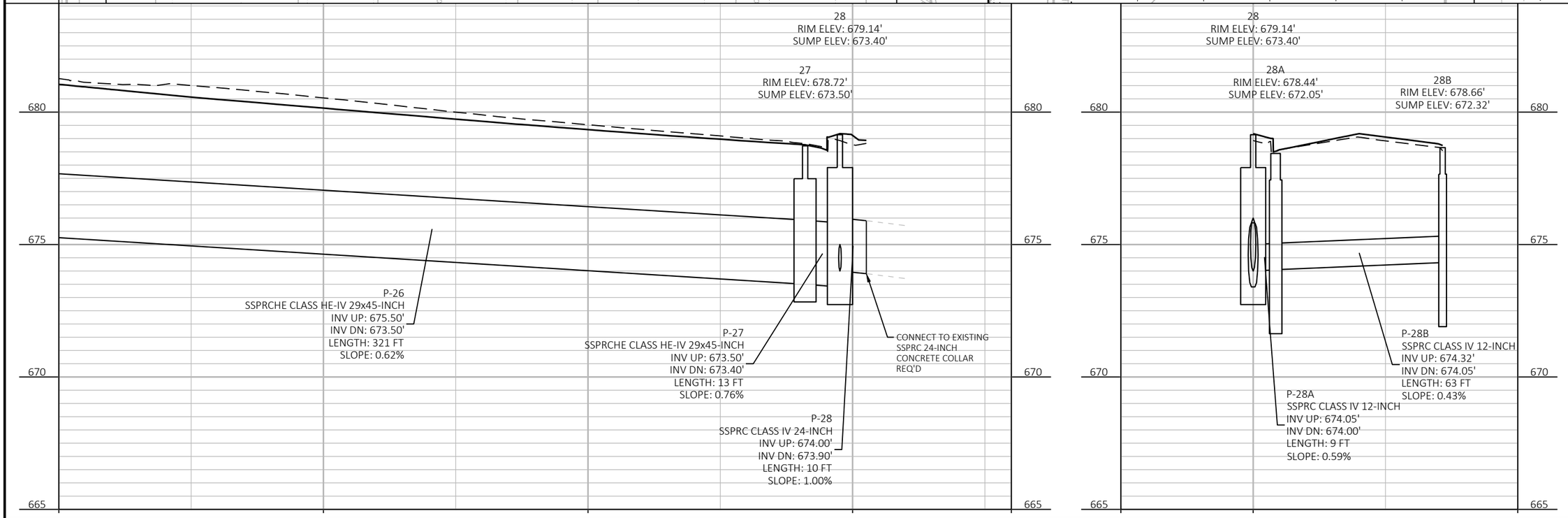
STH 13

P-28B

STA 1153+43, 31.5' RT
CATCH BASINS 2x3-H
28B

STA 1153+45, 34' RT
SEALING PIPES

26C STA 1150+52, 55.0' RT
CATCH BASINS 2x3-H



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	STORM SEWER: STH 13	SHEET 99	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2_FROM-SEH\STORM\022501 SS.DWG
LAYOUT NAME - 07
PLOT DATE : 5/13/2024 4:23 PM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

2

ADJUST EXISTING WATER VALVE BOX
(TYPICAL THROUGHOUT PROJECT WHERE
WATER MAIN IS NOT BEING REPLACED)

11TH STREET

PI: 1135+70.09

STA 1135+92.3 22.5' LT
1 - 8" GV & BOX
1 - 12"x8" REDUCER
1 - CONNECT TO EXIST 8" WM,
INCLUDING REMOVAL OF
EXIST 12" GV

40'± LT
1 - 1" CURB STOP & BOX
1 - 1" CORP
18 LF - 1" WATER SERVICE
1 - CONNECT TO EXIST WAT. SERVICE
TYPICAL THIS SIDE

#1023 #1019 #1011 #1005

RIGHT-OF-WAY

22.5'

MATCH LINE 1132+50

MATCH LINE 1138+50

1133 1134 1135 1136 1137 1138

STH 13
(ELLIS AVENUE)

RIGHT-OF-WAY

700 695 690 685 680 675 670

EXISTING PROFILE

PROPOSED PROFILE

MATCH EXISTING
WM ELEVATION

MIN 7' BURY DEPTH
FINISHED GRADE TO
TOP OF WM

PROPOSED STORM SEWER SHOWN FOR REFERENCE

8-INCH WATER MAIN

TOP OF WM 684.6

TOP OF WM 683.5

EXISTING PROFILE PROPOSED PROFILE

693.33	692.76	693.87	692.97	694.05	693.38	694.11	693.44	693.15	693.00	692.49	692.07	691.27	690.99	690.83	690.45

1133 1134 1135 1136 1137 1138

PROJECT NO: 1610-00-80	HWY: STH 13	COUNTY: ASHLAND	WATER MAIN: STH 13	SHEET 100	E

2

#1001

STA 1138+89.4 22.5' LT
1 - 8" 45° BEND
15 LF - 8" WM

10TH STREET

#921

STA 1139+74 39.5' LT
1 - 8" GV & BOX
1 - 8"x6" TEE
27 LF - 6" WM
1 - 6" GV & BOX
1 HYDRANT

#911

40'± LT
1 - 1" CORP
27 LF - 1" WATER SERVICE
1 - 1" CURB STOP & BOX
1 - CONNECT TO EXIST WATER SERVICE
TYPICAL THIS SIDE

RIGHT-OF-WAY

#905

#901

7.1 SY INSULATION
(2 SHEETS STACKED)
TYPICAL AT STORM
SEWER CROSSINGS

9TH STREET

STA 1143+41.5 40' LT
1 - 8" GV & BOX
1 - 8"x6" TEE
28 LF - 6" WM
1 - 6" GV & BOX
1 HYDRANT

#823

STUB CONNECTION FOR IRRIGATION
1143+47, 36' LT
1 - 1" CORP, 1 - 1" CURB STOP & BOX
32 LF - 1" WATER SERVICE STUB
BRING TAIL OF SERVICE UP TO WITHIN 12" OF SURFACE, OR COORDINATE WITH CITY'S IRRIGATION CONTRACTOR FOR CONNECTION TO METER PIT (INCIDENTAL)

#815

MATCH LINE 1138+50

1139

1140

12'

1141

1142

1143

1144

MATCH LINE 1144+50

STA 1139+00 12' LT
1 - 8" 45° BEND

1-REMOVE
HYDRANT

STH 13
(ELLIS AVENUE)

1-REMOVE HYDRANT
(SALVAGE AND PROVIDE TO
CITY OF ASHLAND-INCIDENTAL)

RIGHT-OF-WAY

40'± RT
1 - 1" CORP
52 LF - 1" WATER SERVICE
1 - 1" CURB STOP & BOX
BORE UNDER NORTHBOUND LANE
1 - CONNECT TO EXIST WATER SERVICE
TYPICAL THIS SIDE

TO HOUSE #111 10TH ST
76 LF - 1" WATER SERVICE
CONNECT TO EXIST 1" COPPER

#922

#918

#910

#906

#900

#822

#818

NOTE: WATER MAIN BACKFILL TO INCLUDE REPLACEMENT WITH GRANULAR MATERIAL IN ELEVATIONS HIGHER THAN ADJACENT STORM SEWER

EXISTING PROFILE

PROPOSED PROFILE

PROPOSED STORM SEWER SHOWN FOR REFERENCE

7' MIN. BURY
DEPTH FINISHED GRADE
TO TOP W.M.

8-INCH WATER MAIN

TOP OF WM 682.0
TOP OF WM 681.0
TOP OF WM 680.8
TOP OF WM 679.7
TOP OF WM 678.5
TOP OF WM 677.7
TOP OF WM 677.5
TOP OF WM 677.2
TOP OF WM 676.9

EXISTING PROFILE
PROPOSED PROFILE

690.83 690.45
690.06 689.91
689.33 688.83
688.13 687.75
687.21 686.67
686.23 685.90
685.91 685.49
685.54 685.29

700
695
690
685
680
675
670

PROJECT NO: 1610-00-80	HWY: STH 13	COUNTY: ASHLAND	WATER MAIN: STH 13	SHEET 101	E

FILE NAME : X:\AE\A\ASHLA\168547\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\ASHLA 168547 WM.DWG
LAYOUT NAME - 05

PLOT DATE : 8/1/2024 6:00 PM PLOT BY : BRYAN CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

1146+36 76' LT
72 LF - 1" WATER SERVICE

#809 #807 #803 #801

8TH STREET

#723 #719 #715 #711 #707

STA 1146+76 12' LT
1 - 8"x6" TEE
1 - 8" GV & BOX

RIGHT-OF-WAY

40'± LT
1 - 1" CORP
27 LF - 1" WATER SERVICE
1 - 1" CURB STOP & BOX
1 - CONNECT TO EXIST WATER SERVICE
TYPICAL THIS SIDE

STA 1150+42.5 12' LT
1 - 8"x8" TEE
2 - 8" GV
46 LF - 8" WM
SEE NEXT SHEET FOR
HYDRANT INFO

7TH STREET

2

MATCH LINE 1144+50

1145 1146 1147 1148 1149 1150

12'

1-REMOVE
HYDRANT

STH 13
(ELLIS AVENUE)

MATCH LINE 1150+50

RIGHT-OF-WAY

STA 1146+76 50' RT
1 - 6" GV & BOX
2 - 6" 45° BEND
7 LF - 6" WM
1 - CONNECT TO EXIST WM

STA 1147+10 38' RT
1 - 6"x6" TEE
1 - 6" GV & BOX
34 LF - 6" WM
1 HYDRANT

40'± RT
1 - 1" CORP
52 LF - 1" WATER SERVICE
1 - 1" CURB STOP & BOX
BORE UNDER NORTHBOUND LANE
1 - CONNECT TO EXIST WATER SERVICE
TYPICAL THIS SIDE

#812 #810 #804 #724 #720 #714 #708 #704 #700

695 690 685 680 675 670 665

PROPOSED STORM SEWER SHOWN FOR REFERENCE

EXISTING PROFILE

NOTE: WATER MAIN BACKFILL TO INCLUDE REPLACEMENT
WITH GRANULAR MATERIAL IN ELEVATIONS HIGHER
THAN ADJACENT STORM SEWER

PROPOSED PROFILE

7' MIN. BURY
DEPTH FINISHED GRADE
TO TOP W.M.

8-INCH WATER MAIN

TOP OF WM 676.9
TOP OF WM 676.7
TOP OF WM 676.5
TOP OF WM 676.2
TOP OF WM 675.9
TOP OF WM 675.2
TOP OF WM 674.5
TOP OF WM 673.8
TOP OF WM 673.5

EXISTING PROFILE
PROPOSED PROFILE

685.54 685.29 685.11 685.08 684.97 684.67 684.65 684.26 684.13 683.76 683.41 682.99 682.23 682.03 681.65 681.55

1145 1146 1147 1148 1149 1150

PROJECT NO: 1610-00-80	HWY: STH 13	COUNTY: ASHLAND	WATER MAIN: STH 13	SHEET 102	E

2

7TH STREET

#623

STA 1150+58.5, 56' LT
1 - 8"x6" TEE
1 - 8" CAP
1 - 6" GV & BOX
16 LF - 6" WM
1 HYDRANT

#619

#609

40'± LT
1 - 1" CORP
28 LF - 1" WATER SERVICE
1 - 1" CURB STOP & BOX
1 - CONNECT TO EXIST WATER SERVICE
TYPICAL THIS SIDE

#607

#605

STA 1154+10 82' LT
CONNECT TO EXIST 16" GV

RIGHT-OF-WAY

6TH STREET

PI: 1154+00.24

STA 1154+10 44.5' LT
1 -16"x12" TEE
1 - CONNECT TO EXIST 12" WM OR GV

NOTE: HIGHWAY WORK FROM 6TH ST (STA 1153+43) TO US 2 DOES NOT INCLUDE FULL ROADWAY RECONSTRUCTION. MINIMIZE WATER MAIN TRENCH WIDTH AND DISTURBANCE TO EXISTING OPEN GRADED BASE LAYER AND FABRIC. REPAIR TRENCH WIDTH WITH OPEN GRADED BASE AND GEOTEXTILE FABRIC TO MATCH EXISTING AND CONFORM TO DETAILS AND SPECIFICATIONS. ALL REPAIR OF ROAD BASE AND FABRIC IS CONSIDERED INCIDENTAL TO WATER MAIN INSTALLATION.

STA 1154+10 12' LT
1 - 8" GV & BOX
1 - 16"x8" TEE

MATCH LINE 1150+50

1151

1152

12'

1153

1154

1155

1156

MATCH LINE 1156+50

STH 13
(ELLIS AVENUE)

CONFIRM IF WATER SERVICE IS LIVE

RIGHT-OF-WAY

40'± RT
1 - 1" CORP
52 LF - 1" WATER SERVICE
BORE UNDER NORTHBOUND LANE
1 - 1" CURB STOP & BOX
1 - CONNECT TO EXIST WATER SERVICE
TYPICAL THIS SIDE

STA 1153+68.5 76.5' RT
1 - 16"x6" TEE
1 - 6" GV
42 LF - 6" WM
1 HYDRANT

STA 1154+10 83' RT
1 - CONNECT TO EXIST 16" GV

#620

#618

#610

#600

NOTE: WATER MAIN BACKFILL TO INCLUDE REPLACEMENT WITH GRANULAR MATERIAL IN ELEVATIONS HIGHER THAN ADJACENT STORM SEWER

PROPOSED STORM SEWER SHOWN FOR REFERENCE

7' MIN BURY
DEPTH FINISHED GRADE
TO TOP W.M.

EXISTING PROFILE

PROPOSED PROFILE

TOP OF WM 673.7

TOP OF WM 673.4

TOP OF WM 672.8

TOP OF WM 672.1

TOP OF WM 671.5

8-INCH WATERMAIN

EXISTING PROFILE

PROPOSED PROFILE

690
685
680
675
670
665
660

681.65 681.55 | 681.66 681.06 | 680.64 680.23 | 679.48 679.47 | 678.86 678.85 | 678.18 678.20 | 677.38 677.02 | 676.82 676.39

1151 1152 1153 1154 1155 1156

PROJECT NO: 1610-00-80	HWY: STH 13	COUNTY: ASHLAND	WATER MAIN: STH 13	SHEET 103	E

FILE NAME : X:\AE\A\ASHLA\168547\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\ASHLA 168547 WM.DWG
LAYOUT NAME - 07

PLOT DATE : 8/1/2024 6:01 PM PLOT BY : BRYAN CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

DEPOT DRIVE

STUB CONNECTION FOR IRRIGATION
1162+15, 36' LT
1 - 1" CORP (ON EXISTING 12" DIP)
10 LF - 1" WATER SERVICE STUB
1 - 1" CURB STOP & BOX
BRING TAIL OF SERVICE UP TO WITHIN 12" OF SURFACE, OR COORDINATE WITH CITY'S IRRIGATION CONTRACTOR FOR CONNECTION TO METER PIT (INCIDENTAL)

STA 1165+07 43' LT
16 LF - 8" WM
1 - 8" GV & BOX
1 - CONNECT TO EXIST 8" WM

STA 1164+68 27' LT
38 LF - 12" WM
1 - 12" 45° BEND
1-12" GV & BOX
1 - CONNECT TO EXIST 12" WM

3RD STREET

45' LT
1 - 1.5" CORP
24 LF - 1.5" WATER SERVICE
1 - 1.5" CURB STOP & BOX
1 - CONNECT TO EXIST WATER SERVICE
PROTECT EXIST LIGHT POLE

103 3RD ST

VERIFY IF SERVICE IS ACTIVE, ABANDON IF INACTIVE, OR
45' LT
1 - 1" CORP
20 LF - 1" WATER SERVICE
1 - 1" CURB STOP & BOX
1 - CONNECT TO EXIST WATER SERVICE

45' LT
1 - 1.5" CORP
20 LF - 1.5" WATER SERVICE
1 - 1.5" CURB STOP & BOX
1 - CONNECT TO EXIST 1.5" WATER SERVICE

100 MAIN ST

RIGHT-OF-WAY

ABANDON WATER SERVICE

27'

STA 1165+07 20' LT
7 LF - 8" WM
1 - 8" GV & BOX
1 - CONNECT TO EXIST 8" WM

STH 13
(ELLIS AVENUE)

STA 1165+07 27' LT
1 - 12"x8" CROSS
1 - 12"x8" REDUCER

RIGHT-OF-WAY

PROTECT AND MAINTAIN EXISTING DRAIN TILE UNDER CURB. REPLACE IF REMOVED OR DAMAGED (INCIDENTAL)

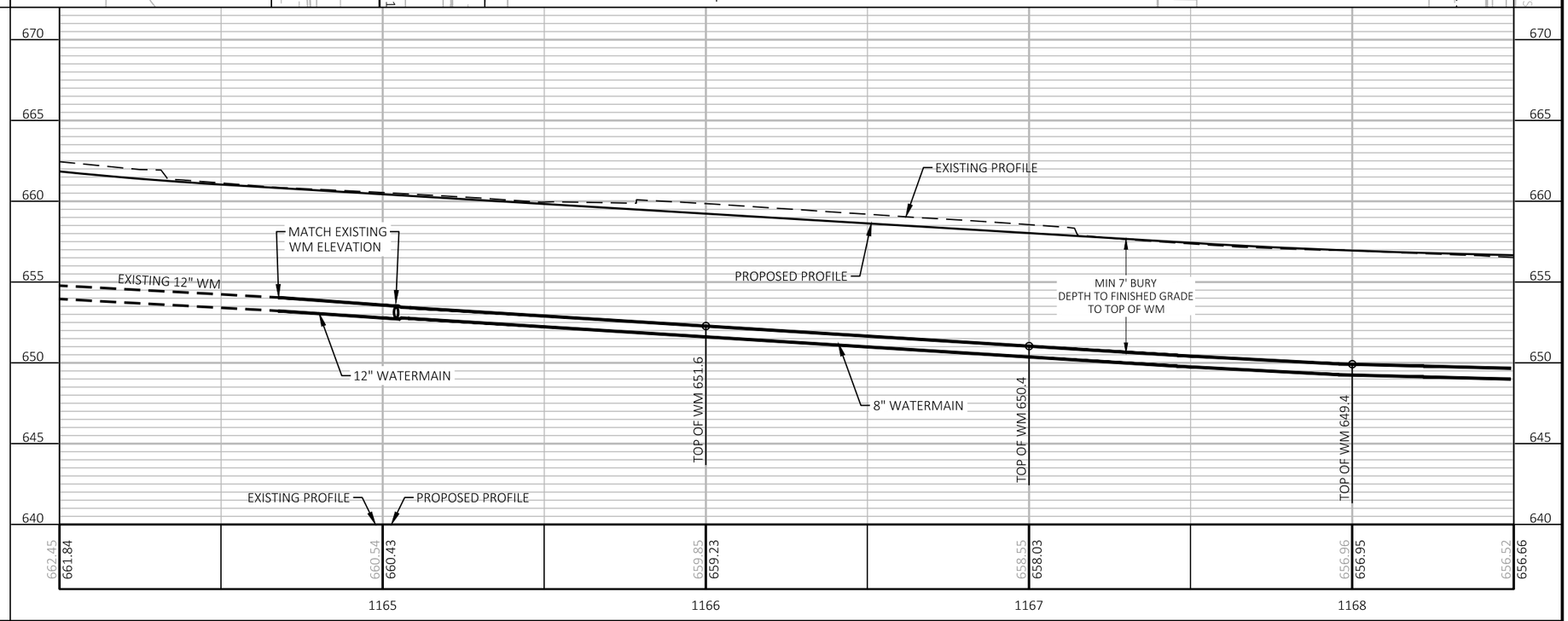
104 MAIN ST

PROTECT EXISTING STORM INLET AND PIPE IN PLACE, OR REMOVE & REPLACE AT CONTRACTOR'S OPTION (INCIDENTAL)

MATCH LINE 1168+50

1161 1162 1164 1165 1166 1167 1168

NOTE: HIGHWAY WORK FROM 6TH ST (STA 1153+43) TO US 2 DOES NOT INCLUDE FULL ROADWAY RECONSTRUCTION. MINIMIZE WATER MAIN TRENCH WIDTH AND DISTURBANCE TO EXISTING OPEN GRADED BASE LAYER AND FABRIC. REPAIR TRENCH WIDTH WITH OPEN GRADED BASE AND GEOTEXTILE FABRIC TO MATCH EXISTING AND CONFORM TO DETAILS AND SPECIFICATIONS. ALL REPAIR OF ROAD BASE AND FABRIC IS CONSIDERED INCIDENTAL TO WATER MAIN INSTALLATION.



PROJECT NO: 1610-00-80	HWY: STH 13	COUNTY: ASHLAND	WATER MAIN: STH 13	SHEET 104	E

STA 1168+72.6 51' LT
1 - 10" GV & BOX
2 - 10" 45° BENDS
9 LF - 10" WM
1 - CONNECT TO EXIST 10" WM

45' LT
1 - 1.5" CORP
20 LF - 1.5" WATER SERVICE
1 - 1.5" CURB STOP & BOX
1 - CONNECT TO EXIST 1.5" WATER SERVICE

PROTECT EXISTING STORM INLET AND PIPE IN PLACE,
OR REMOVE & REPLACE AT CONTRACTOR'S OPTION (INCIDENTAL)

STA 1171+40 27' LT
1 - 8" GV & BOX
2 - 8" 45° BENDS
5 LF - 8" WM
1 - CONNECT TO EXIST 8" WM

ABANDON 6"
STUB (INCIDENTAL)

#101 MAIN ST.

RIGHT-OF-WAY

MAIN STREET

MATCH LINE 1168+50

STA 1168+72.6 27' LT
1 - 10"x8" CROSS
1 - 8" GV & BOX

27'

1169 1170 1171 1172

STH 13
(ELLIS AVENUE)

1-REMOVE
HYDRANT

FOUNTAIN
WATER SERVICE

RIGHT-OF-WAY

#110 HOLIDAY

STA 1168+94.5 71' RT
1 - 10"x6" TEE
1 - 6" GV & BOX
22 LF - 6" WM
1 - HYDRANT

PROTECT AND MAINTAIN
EXISTING DRAIN TILE
UNDER CURB. REPLACE
IF REMOVED OR DAMAGED
(INCIDENTAL)

37' RT
1 - 1" CORP
65 LF - 1" WATER SERVICE
BORE UNDER NORTHBOUND LANE
1 - 1" CURB STOP & BOX
1 - CONNECT TO EXIST WATER SERVICE
TYPICAL THIS SIDE

STA 1168+75.5 83.5' RT
2 - 10" 45° BENDS
6 LF - 10" WM
1-10" GV & BOX
1 - CONNECT TO EXIST 10" WM

NOTE: HIGHWAY WORK FROM 6TH ST (STA 1153+43) TO US 2 DOES NOT INCLUDE FULL ROADWAY RECONSTRUCTION. MINIMIZE WATER MAIN TRENCH WIDTH AND DISTURBANCE TO EXISTING OPEN GRADED BASE LAYER AND FABRIC. REPAIR TRENCH WIDTH WITH OPEN GRADED BASE AND GEOTEXTILE FABRIC TO MATCH EXISTING AND CONFORM TO DETAILS AND SPECIFICATIONS. ALL REPAIR OF ROAD BASE AND FABRIC IS CONSIDERED INCIDENTAL TO WATER MAIN INSTALLATION.

EP: 1172+39.36

END CONSTRUCTION
STA 1171+97.9
MATCH EXISTING
SAW CUT REQ'D

USH 2
(LAKE SHORE DRIVE)

665
660
655
650
645
640
635

PROPOSED PROFILE

EXISTING PROFILE

MIN 7' BURY
DEPTH TO FINISHED GRADE
TO TOP OF WM

TOP OF WM 648.5

TOP OF WM 646.5

TOP OF WM 643.2

8" WATERMAIN

EXISTING 8" WM

EXISTING PROFILE

PROPOSED PROFILE

656.52 656.66 655.89 656.12 653.44 653.61 650.70 650.81 647.78

1169 1170 1171 1172 1173 1174

PROJECT NO: 1610-00-80	HWY: STH 13	COUNTY: ASHLAND	WATER MAIN: STH 13	SHEET 105	E

FILE NAME : X:\AE\A\ASHLA\168547\5-FINAL-DSGN\51-DRAWINGS\10-CIVIL\CAD\DWG\SHEET\ASHLA 168547 WM.DWG
LAYOUT NAME - 10

PLOT DATE : 8/1/2024 6:02 PM PLOT BY : BRYAN CUNNINGHAM PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

16TH ST

R1-1
STOP
4

1115 1116 1117 1118 1119 1120

STH 13 (ELLIS AVENUE)

MATCH LINE 1120+50

MOVE FROM
STA 1123+65
3
W6-1

6
R7-1R
18"X24"

8

R2-1
SPEED LIMIT
35
9

5
R1-1
STOP

7
R4-7
24"X30"

EXISTING

10
W3-5
SPEED LIMIT
25

HISTORICAL MARKER
EXISTING

SIGN LEGEND

- EXISTING SIGN ON SMALL POST(S)
- MOVED OR NEW SIGN ON SMALL POST(S)
- EXISTING SIGN ON LIGHT OR SIGNAL POLE
- MOVED/NEW SIGN ON LIGHT/SIGNAL POLE
- SIGN NO. - MOVE SIGN AND SUPPORT
- SIGN NO. - REMOVE SIGN AND SUPPORT
- SIGN NO. - NEW SIGN AND SUPPORT

NORTHLAND COLL. (SOUTH)

R1-1
STOP
13

J4-1
SOUTH
13
R7-1D

14

S1-1
S16-7L

16

MATCH LINE 1120+50

1121 1122 1123 1124 1125 1126

STH 13 (ELLIS AVENUE)

MATCH LINE 1126+50

12
R7-1D
MOVE FROM
STA 1122+20

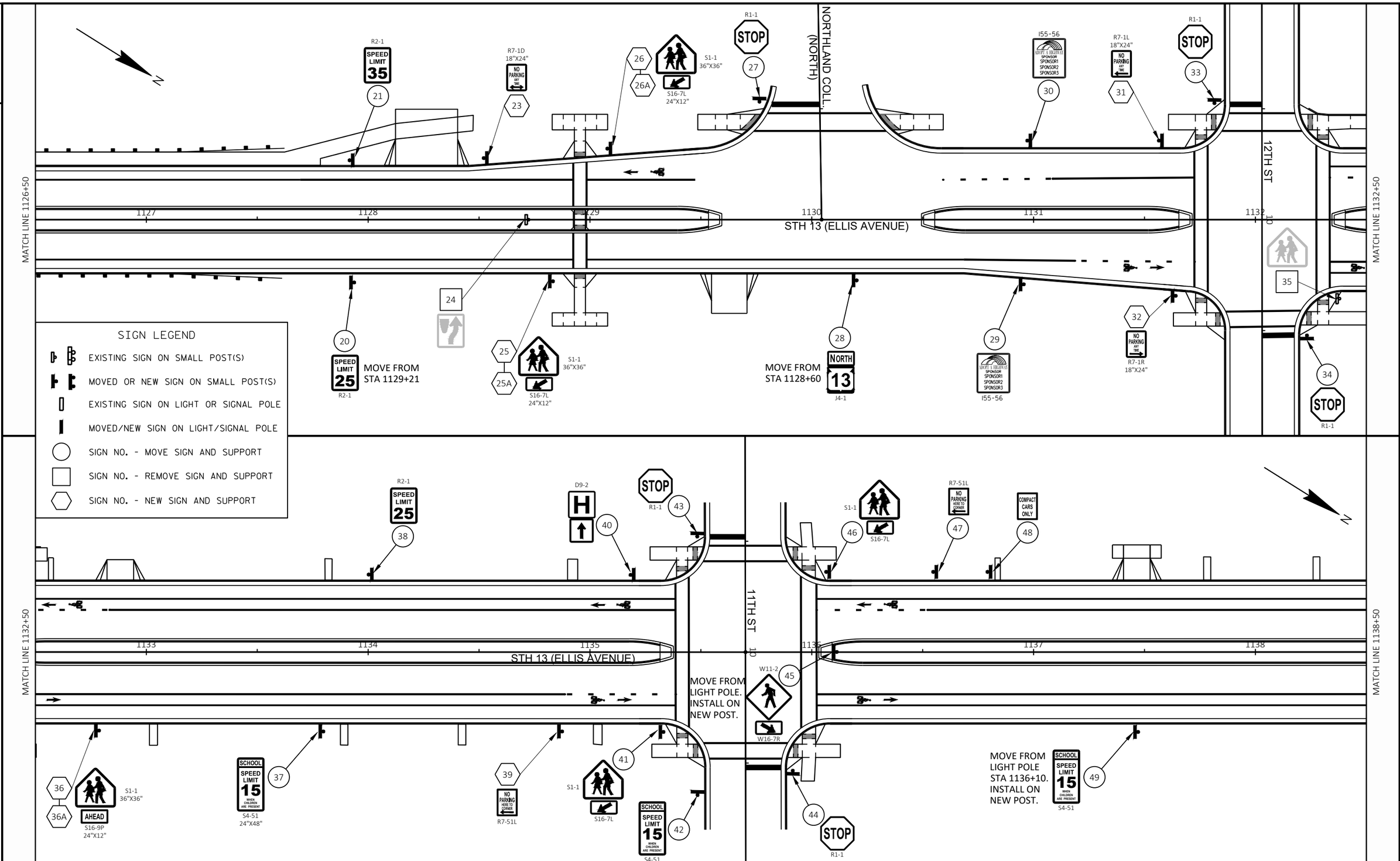
S1-1
S16-7L
15

17
R7-1D

2

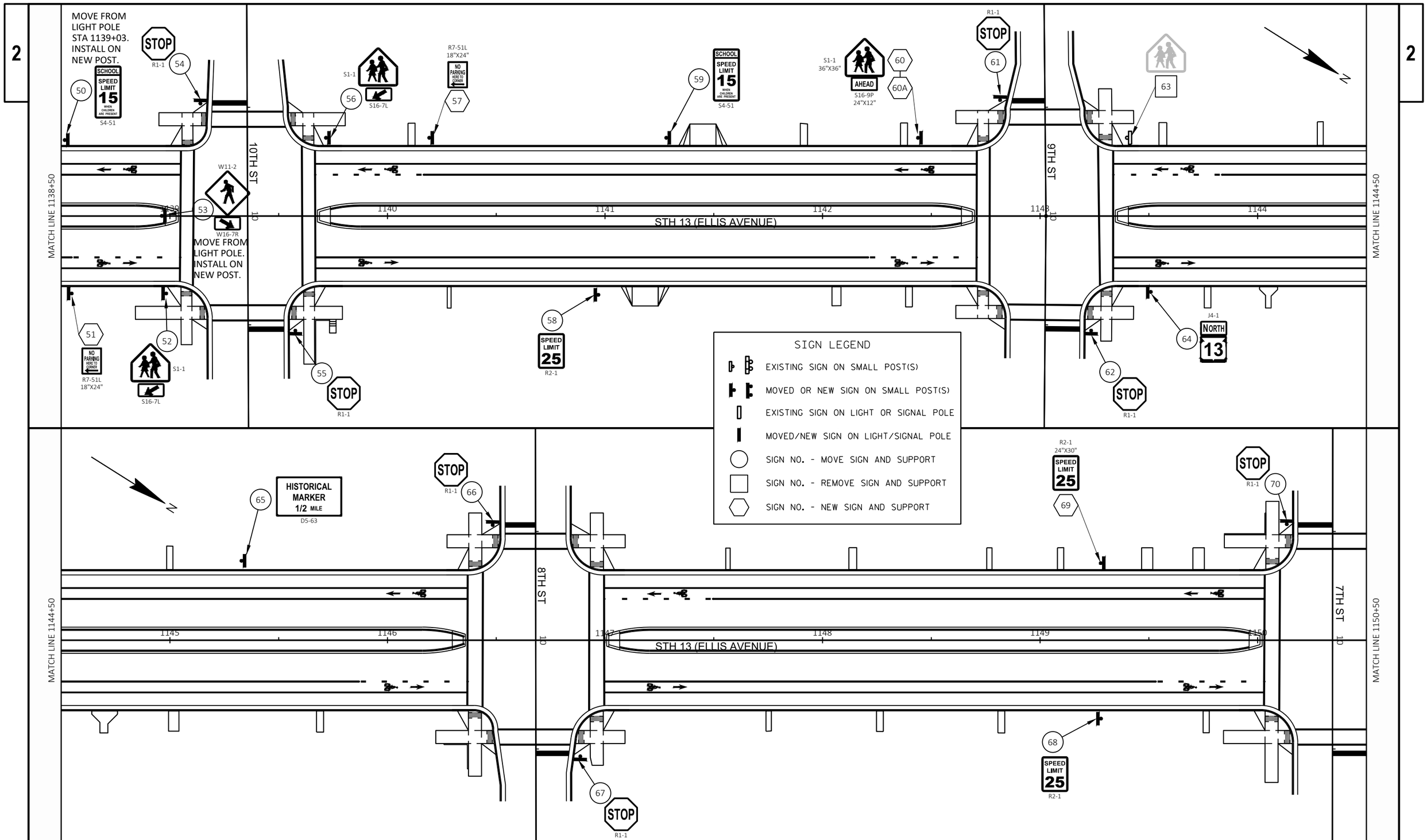
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PERMANENT SIGNING	SHEET 106	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\023201_PS-13.DWG
LAYOUT NAME - 13_ps-01
PLOT DATE : 5/13/2024 1:27 PM PLOT BY : USER PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 44



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PERMANENT SIGNING	SHEET 107	E

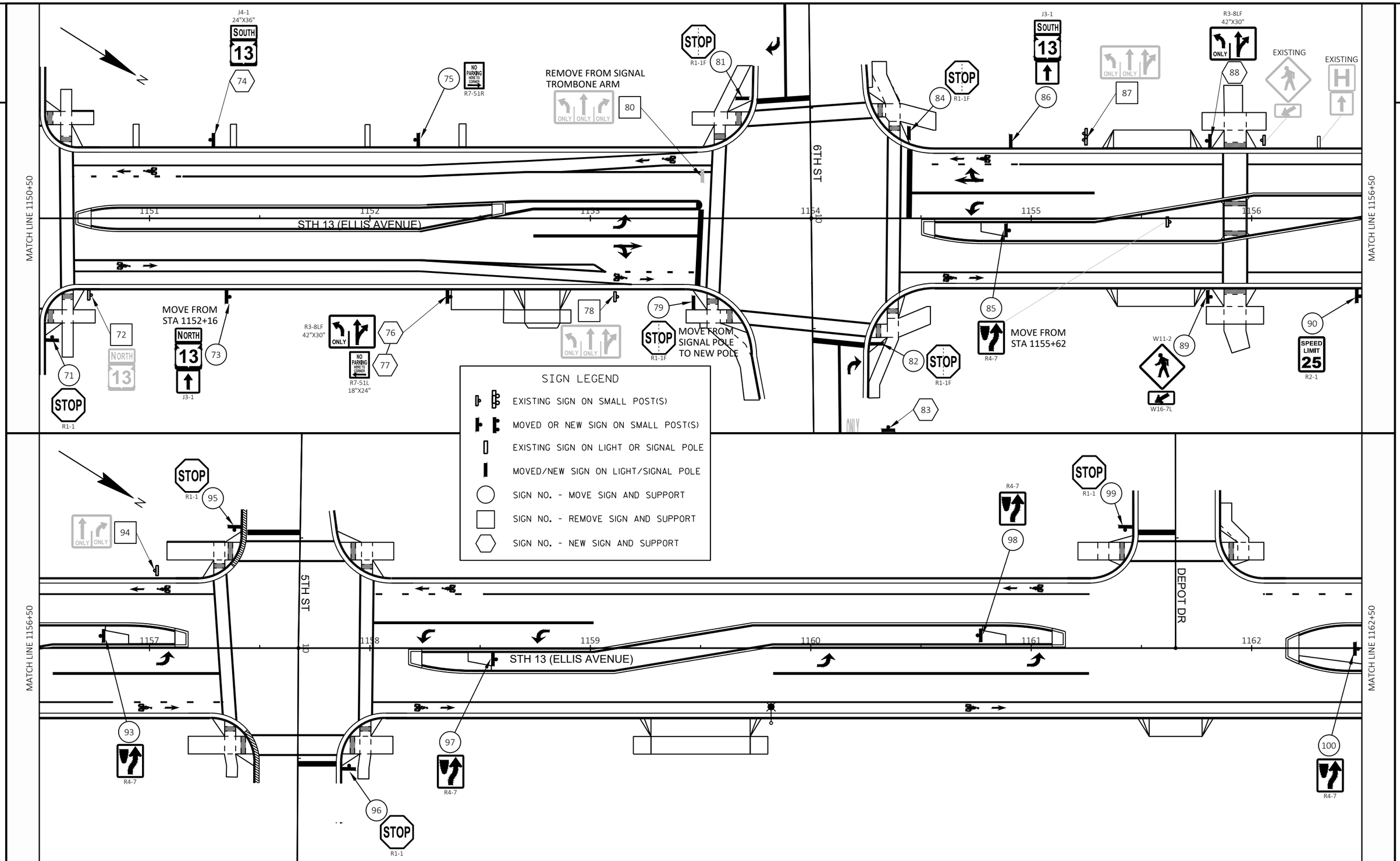
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LAYOUT NAME - 13_ps-02
PLOT DATE : 5/13/2024 1:27 PM
PLOT BY : USER
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PERMANENT SIGNING	SHEET 108	E

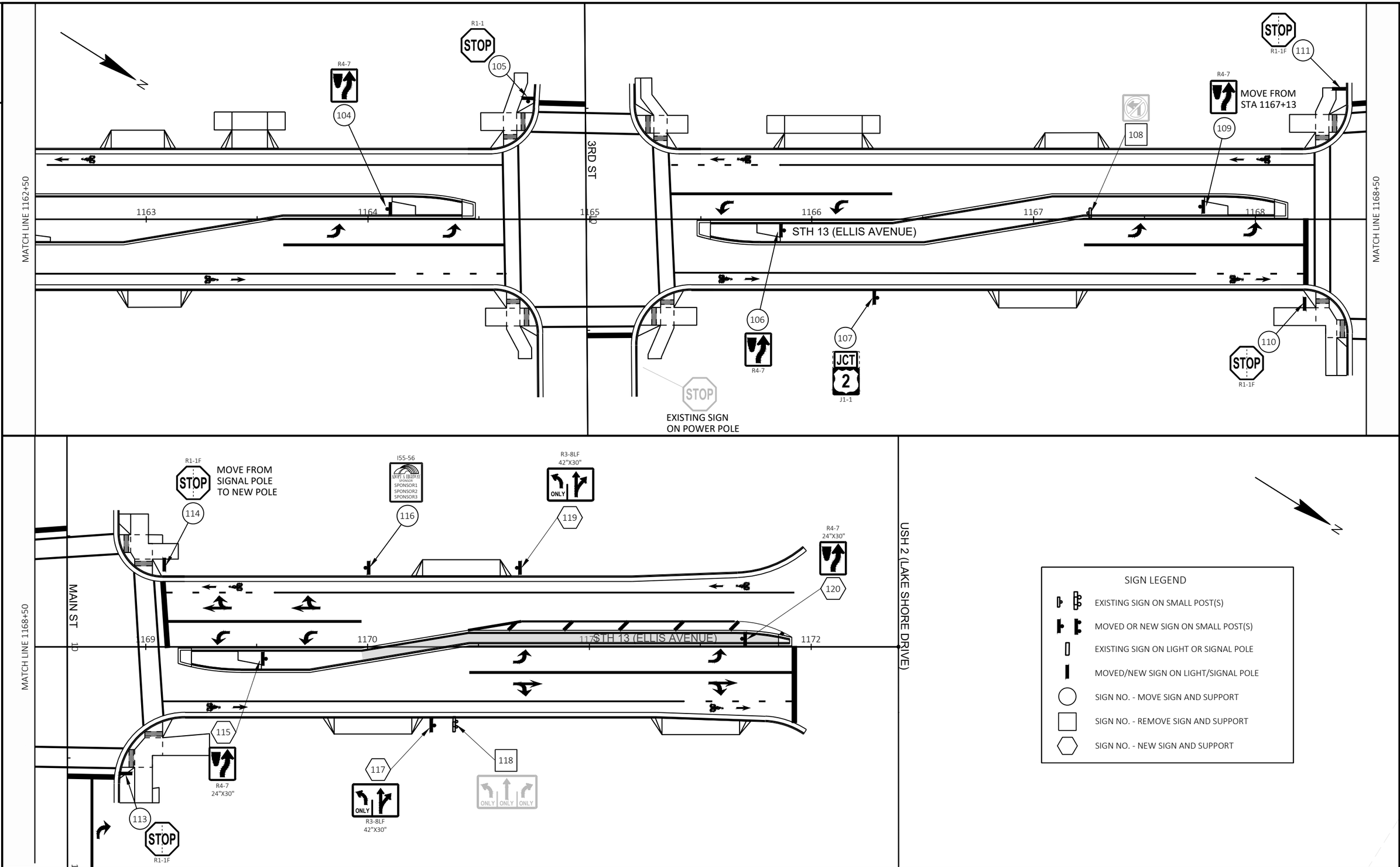
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LAYOUT NAME - 13_ps-03

PLOT DATE : 5/13/2024 1:27 PM PLOT BY : USER PLOT NAME : PLOT SCALE : ##########



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PERMANENT SIGNING	SHEET 109	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\023201_PS-13.DWG
LAYOUT NAME - 13_ps-04
PLOT DATE : 5/13/2024 1:27 PM
PLOT BY : USER
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44



SIGN LEGEND

- EXISTING SIGN ON SMALL POST(S)
- MOVED OR NEW SIGN ON SMALL POST(S)
- EXISTING SIGN ON LIGHT OR SIGNAL POLE
- MOVED/NEW SIGN ON LIGHT/SIGNAL POLE
- SIGN NO. - MOVE SIGN AND SUPPORT
- SIGN NO. - REMOVE SIGN AND SUPPORT
- SIGN NO. - NEW SIGN AND SUPPORT

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PERMANENT SIGNING	SHEET 110	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\023201_PS-13.DWG
LAYOUT NAME - 13_ps-05
PLOT DATE : 7/31/2024 12:58 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

2

2

NORTHLAND COLL. (NORTH)

12TH STREET

11TH STREET

MATCH LINE 1129+25'EA'

MATCH LINE 1136+75'EA'

1130'EA' 1131'EA' 1132'EA' 1133'EA' 1134'EA' 1135'EA' 1136'EA'

STH 13 (ELLIS AV)

LCC-A-5

LCC-A-6

NORVADO

BRIGHTSPEED

NOTES:
1. LIGHTING CONDUIT AND ELECTRICAL CONDUCTORS WILL BE REMOVED FROM 12TH STREET TO 7TH STREET. CONDUIT AND ELECTRICAL CONDUCTOR REMOVAL IS INCIDENTAL.

LEGEND

- EXISTING LIGHTING CONTROL CABINET
- EXISTING PULL BOXES
- EXISTING LIGHTING UNIT
- REMOVE CONDUIT AND ELECTRICAL CIRCUITRY
- SALVAGE LIGHTING UNIT

10TH STREET

9TH STREET

MATCH LINE 1136+75'EA'

MATCH LINE 1144+25'EA'

1137'EA' 1138'EA' 1139'EA' 1140'EA' 1141'EA' 1142'EA' 1143'EA' 1144'EA'

STH 13 (ELLIS AVE)

LCC-A-7

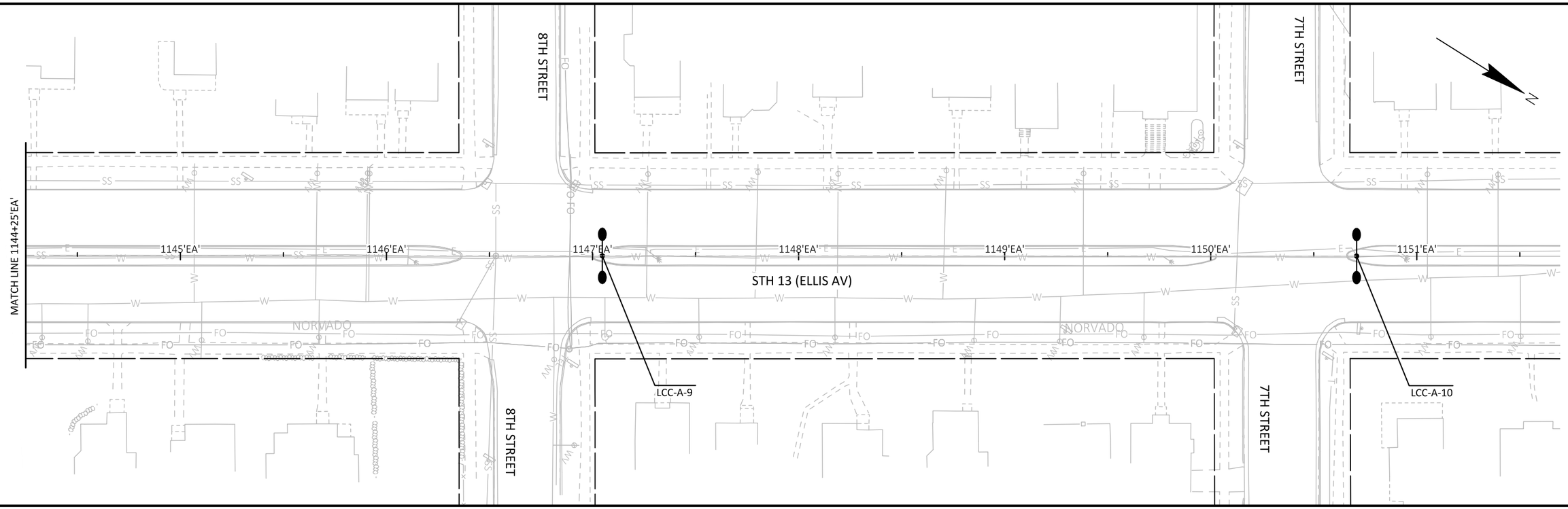
LCC-A-8

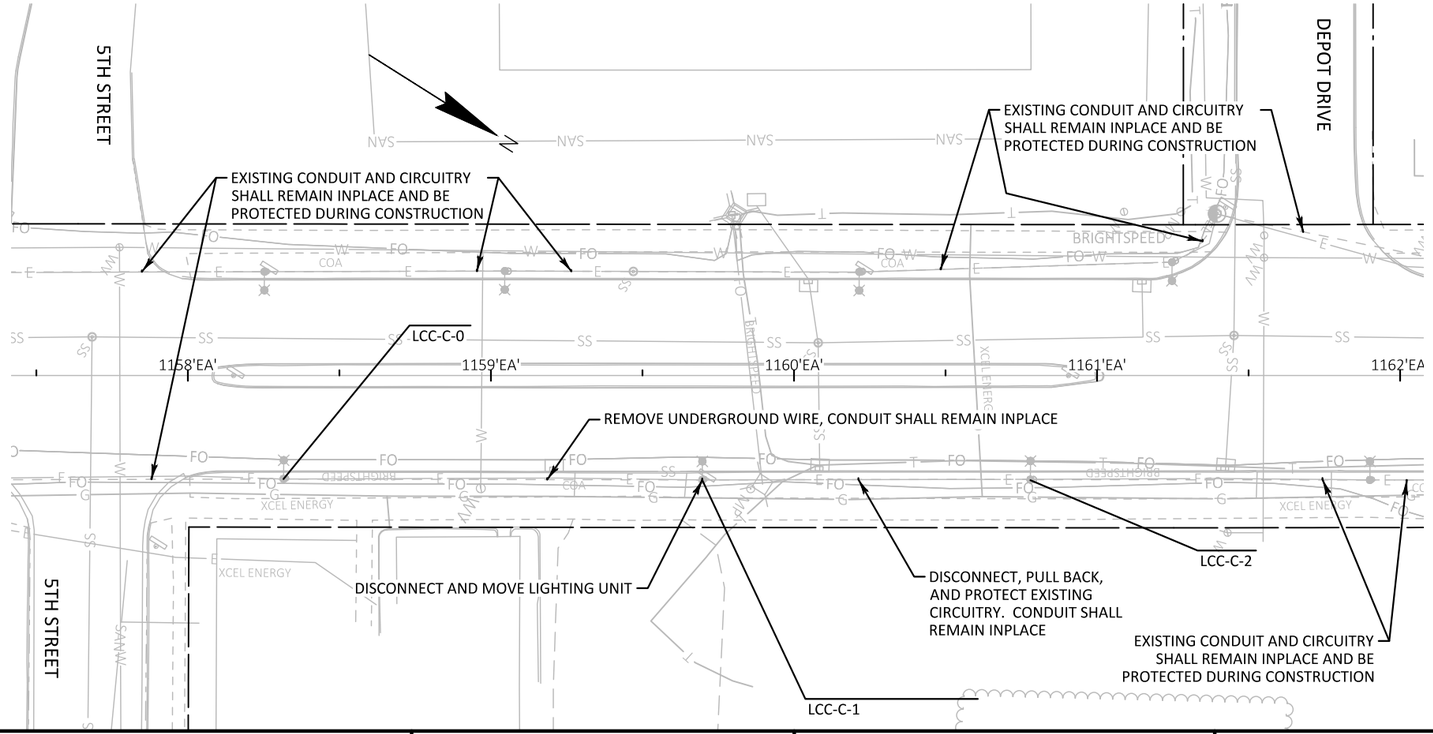
NORVADO

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	LIGHTING REMOVAL PLAN	SHEET 111 E

FILE NAME : X:\KO\N\NWBE0\164357\5-final-dsgn\51-drawings\40-TransHwy\C3D-20\1610-00-07\SheetsPlan\SEC 02 Typ Sec & Details\023501_lp Removals(Lighting Plan).dwg PLOT DATE : 8/5/2024 1:18 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1.0 IN = 50.0 FT

2





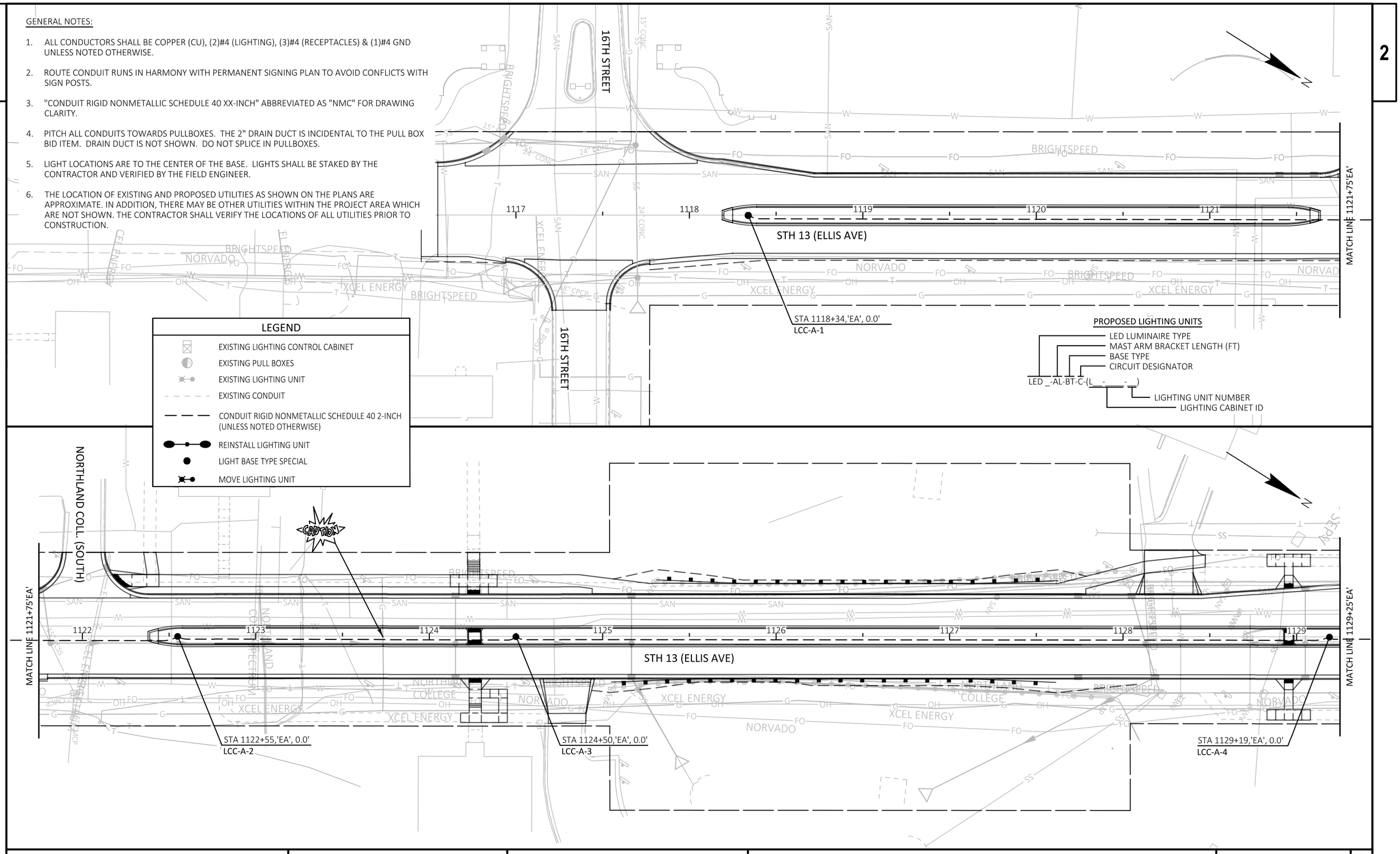
NOTES:
1. LIGHTING CONDUIT AND ELECTRICAL CONDUCTORS WILL BE REMOVED FROM 12TH STREET TO 7TH STREET. CONDUIT AND ELECTRICAL CONDUCTOR REMOVAL IS INCIDENTAL.

LEGEND
EXISTING LIGHTING CONTROL CABINET
EXISTING PULL BOXES
EXISTING LIGHTING UNIT
REMOVE CONDUIT AND ELECTRICAL CIRCUITRY
SALVAGE LIGHTING UNIT

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	LIGHTING REMOVAL PLAN	SHEET 112 E

GENERAL NOTES:

1. ALL CONDUCTORS SHALL BE COPPER (CU), (2)#4 (LIGHTING), (3)#4 (RECEPTACLES) & (1)#4 GND UNLESS NOTED OTHERWISE.
2. ROUTE CONDUIT RUNS IN HARMONY WITH PERMANENT SIGNING PLAN TO AVOID CONFLICTS WITH SIGN POSTS.
3. "CONDUIT RIGID NONMETALLIC SCHEDULE 40 XX-INCH" ABBREVIATED AS "NMC" FOR DRAWING CLARITY.
4. PITCH ALL CONDUITS TOWARDS PULLBOXES. THE 2" DRAIN DUCT IS INCIDENTAL TO THE PULL BOX BID ITEM. DRAIN DUCT IS NOT SHOWN. DO NOT SPLICE IN PULLBOXES.
5. LIGHT LOCATIONS ARE TO THE CENTER OF THE BASE. LIGHTS SHALL BE STAKED BY THE CONTRACTOR AND VERIFIED BY THE FIELD ENGINEER.
6. THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.



LEGEND

- EXISTING LIGHTING CONTROL CABINET
- EXISTING PULL BOXES
- EXISTING LIGHTING UNIT
- EXISTING CONDUIT
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
- REINSTALL LIGHTING UNIT
- LIGHT BASE TYPE SPECIAL
- MOVE LIGHTING UNIT

PROPOSED LIGHTING UNITS

LED _-AL-BT-C-(L_ - _ - _)

- LED LUMINAIRE TYPE
- MAST ARM BRACKET LENGTH (FT)
- BASE TYPE
- CIRCUIT DESIGNATOR
- LIGHTING UNIT NUMBER
- LIGHTING CABINET ID

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	LIGHTING PLAN	SHEET 113 E

2

2

NORTHLAND COLL. (NORTH)

12TH STREET

2" NMC, (2)#4 (LIGHTING), (3)#4 (RECEPTACLES), & (1)#4 GND

CAUTION

LED B-8-6-1-(LCC-A-5)

11TH STREET

2" NMC, (2)#4 (LIGHTING), (3)#4 (RECEPTACLES), & (1)#4 GND

LED B-8-6-1-(LCC-A-6)

MATCH LINE 1129+25'EA'

1130 1131 1132 1133 1134 1135 1136

STH 13 (ELLIS AVE)

MATCH LINE 1136+75'EA'

NORVADO

STA 1132+41,'EA', 0.3'LT
LED B-8-6-1-(LCC-A-5)

STA 1136+07,'EA', 0.2'LT
LED B-8-6-1-(LCC-A-6)

12TH STREET

11TH STREET

LEGEND

- EXISTING LIGHTING CONTROL CABINET
- EXISTING PULL BOXES
- EXISTING LIGHTING UNIT
- EXISTING CONDUIT
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
- REINSTALL LIGHTING UNIT
- LIGHT BASE TYPE SPECIAL
- MOVE LIGHTING UNIT

10TH STREET

9TH STREET

-A-6)

2" NMC, (2)#4 (LIGHTING), (3)#4 (RECEPTACLES), & (1)#4 GND

LED B-8-6-1-(LCC-A-7)

2" NMC, (2)#4 (LIGHTING), (3)#4 (RECEPTACLES), & (1)#4 GND

COUPLE TO CONDUIT STUB AT BASE OF EXISTING LIGHTING CONTROL CABINET

LED B-8-6-2-(LCC-A-8)

MATCH LINE 1136+75'EA'

1137 1138 1139 1140 1141 1142 1143 1144

STH 13 (ELLIS AVE)

MATCH LINE 1144+25'EA'

NORVADO

STA 1139+73,'EA', 0.3'LT
LED B-8-6-1-(LCC-A-7)

STA 1143+38,'EA', 0.3'LT
LED B-8-6-2-(LCC-A-8)

10TH STREET

9TH STREET

PROPOSED LIGHTING UNITS

LED _-AL-BT-C-(L__-__-__)

- LED LUMINAIRE TYPE
- MAST ARM BRACKET LENGTH (FT)
- BASE TYPE
- CIRCUIT DESIGNATOR
- LIGHTING UNIT NUMBER
- LIGHTING CABINET ID

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	LIGHTING PLAN	SHEET 114 E

FILE NAME : X:\KO\N\NWBE0\164357\5-final-dsgn\51-drawings\40-TransHwy\C3D-20\1610-00-07\SheetsPlan\SEC 02 Typ Sec & Details\023501_lp (Lighting Plan).dwg PLOT DATE : 8/5/2024 1:19 PM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1.0 IN = 50.0 FT

2

8TH STREET

7TH STREET

2" NMC, (2)#4 (LIGHTING), (3)#4 (RECEPTACLES), & (1)#4 GND

LED B-8-6-2-(LCC-A-9)

2" NMC,(2)#4 (LIGHTING), (3)#4 (RECEPTACLES), & (1)#4 GND

LED B-8-6-2-(LCC-A-10)

MATCH LINE 1144+25'EA'

1145 1146 1147 1148 1149 1150 1151

STH 13 (ELLIS AVE)

STA 1147+05,'EA', 0.2'LT
LED B-8-6-2-(LCC-A-9)

STA 1150+71,'EA', 0.1'LT
LED B-8-6-2-(LCC-A-10)

PROPOSED LIGHTING UNITS

LED _-AL-BT-C-(L_-_-_-_)

- LED LUMINAIRE TYPE
- MAST ARM BRACKET LENGTH (FT)
- BASE TYPE
- CIRCUIT DESIGNATOR
- LIGHTING UNIT NUMBER
- LIGHTING CABINET ID

5TH STREET

DEPOT DRIVE

1158 1159 1160 1161 1162

LCC-C-0

LCC-C-2

COUPLE TO EXISTING 2" NMC AND EXTEND TO NEW LOCATION OF LIGHTING UNIT LCC-C-1 ADD (2)#6 (LIGHTING), (3)#6 (RECEPTACLES), & (1)#6 GND BETWEEN EXISTING LIGHTING UNIT LCC-A-0 AND LCC-A-1

ROUTE EXISTING 2" NMC INTO NEW LOCATION FOR LIGHTING UNIT LCC-A-1. ROUTE EXISTING CONDUCTORS INTO EXISTING LIGHTING UNIT AND CONNECT TO EXISTING CIRCUITRY

STA 1159+82,'EA', 34.0'RT
LCC-C-1

LEGEND

- EXISTING LIGHTING CONTROL CABINET
- EXISTING PULL BOXES
- EXISTING LIGHTING UNIT
- EXISTING CONDUIT
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (UNLESS NOTED OTHERWISE)
- REINSTALL LIGHTING UNIT
- LIGHT BASE TYPE SPECIAL
- MOVE LIGHTING UNIT

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	LIGHTING PLAN	SHEET 115 E

FILE NAME : X:\KO\N\NWBE0\164357\5-final-dsgn\51-drawings\40-TransHwy\C3D-20\1610-00-07\SheetsPlan\SEC 02 Typ Sec & Details\023501_lp (Lighting Plan).dwg PLOT DATE : 8/5/2024 1:19 PM PLOT BY : SEH LAYOUT NAME : 03 PLOT SCALE : 1.0 IN = 50.0 FT

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 3", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- B PEDESTRIAN HEAD WITH PUSH BUTTON
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 12" X 24"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR

- DON'T WALK INDICATOR 16"
  WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

N

6TH ST W

STH 13 (ELLIS AV)

6TH ST E

STH 13 (ELLIS AV)

PB1 PB2 PB3 PB4 PB5 PB6 PB7 PB8

SB1 SB2 SB3 SB4 SB5 SB6 SB7 SB8

2 TURNS (42) 3 TURNS (41)

2 TURNS (11) 2 TURNS (12) 2 TURNS (51) 2 TURNS (52)

3 TURNS (81) 2 TURNS (82)

(61) 4 TURNS (62) 3 TURNS 166' TO NEAR RIGHT

(22) 3 TURNS (21) 4 TURNS 72' TO NEAR RIGHT

1151'EA' 1152'EA' 1153'EA' 1154'EA' 1155'EA' 1156'EA' 1157'EA'

9'SI 10'SI 11'SI

BRIGHTSPEED XCEL ENERGY

TRAFFIC CONTROL SIGNAL
STH 13 (ELLIS AV) & 6TH ST
CITY OF ASHLAND
ASHLAND COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY:
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 116 E

FILE NAME : X:\KO\N\NWBE0\164357\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-20\1610-00-07\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\024001_SP (TRF SIG SHT REMOVALS).DWG PLOT DATE : 8/1/2024 11:23 AM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = 40.0 FT

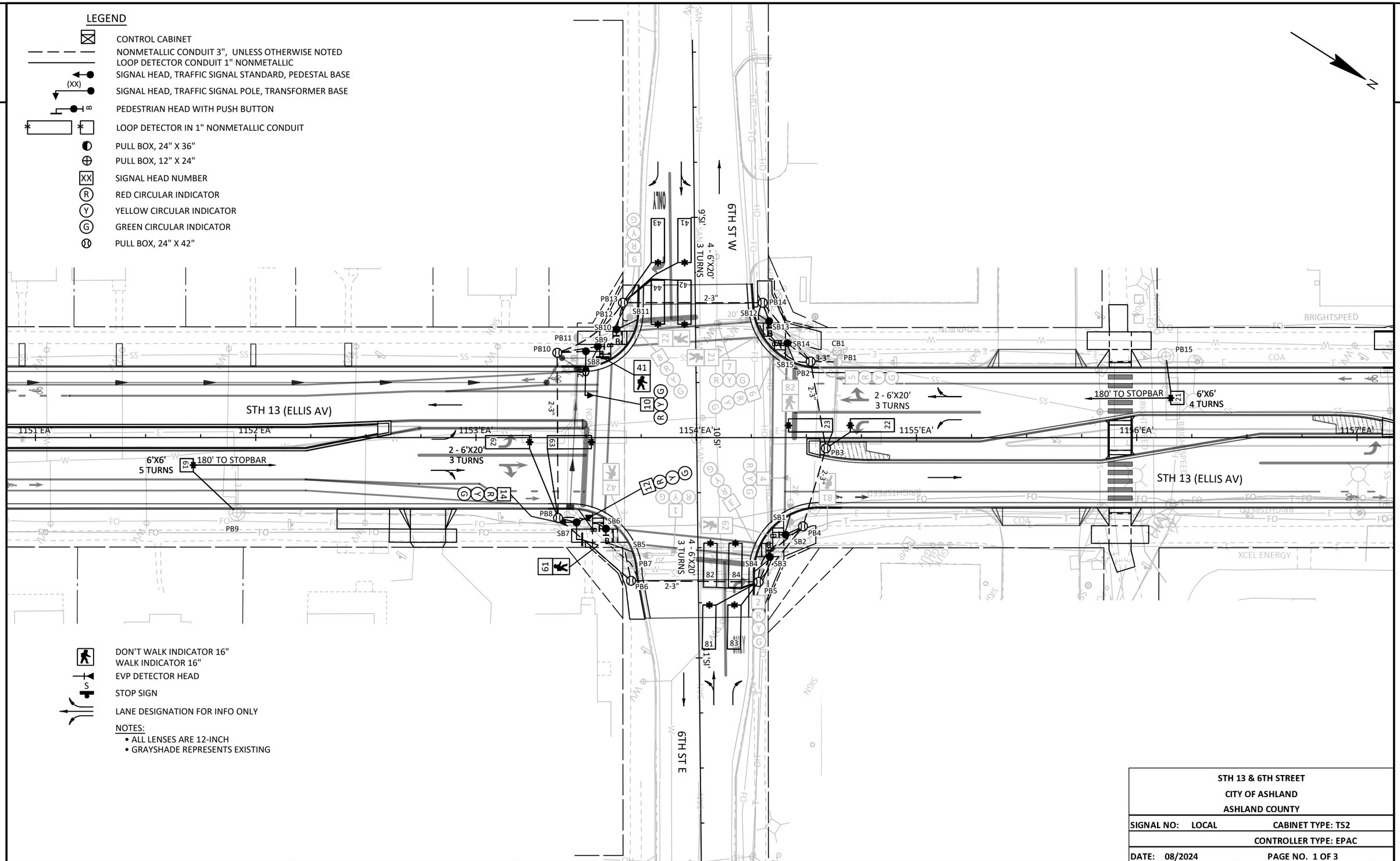
WISDOT/CADDS SHEET 42

2

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 3", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 12" X 24"
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- PULL BOX, 24" X 42"



- DON'T WALK INDICATOR 16"
- WALK INDICATOR 16"
- EVP DETECTOR HEAD
- STOP SIGN
- LANE DESIGNATION FOR INFO ONLY

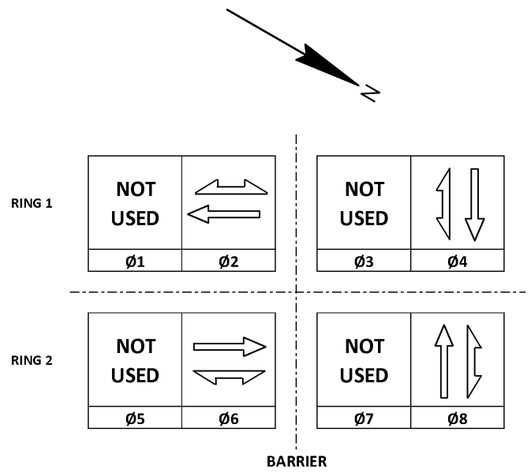
NOTES:

- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

STH 13 & 6TH STREET	
CITY OF ASHLAND	
ASHLAND COUNTY	
SIGNAL NO: LOCAL	CABINET TYPE: TS2
	CONTROLLER TYPE: EPAC
DATE: 08/2024	PAGE NO. 1 OF 3

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC SIGNAL PLAN	SHEET 117 E

	HEAD NUMBERS	FLASH
Ø1		
Ø2	5,10,12	R
Ø3		
Ø4	1,3,9	R
Ø5		
Ø6	4,6,11	R
Ø7		
Ø8	2,7,8	R
Ø2P	21,22	
Ø4P	41,42	
Ø6P	61,62	
Ø8P	81,82	
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MIN	X
3				
4		8	---	X
5				
6	X	2	MIN	X
7				
8		4	---	X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	21	23	42	44	62	81	83	
ASSIGNED PHASE	2	2	4	4	6	8	8	
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH	VEH	
SWITCH								
EXTEND								
DELAY								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
								OPERATION MODE
								SWITCH
								EXTEND
								DELAY

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	22	41	43	61	63	82	84	
ASSIGNED PHASE	2	4	4	6	6	8	8	
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH	VEH	
SWITCH								
EXTEND								
DELAY								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
								OPERATION MODE
								SWITCH
								EXTEND
								DELAY

STH 13 & 6TH STREET
CITY OF ASHLAND
ASHLAND COUNTY

SIGNAL NO: LOCAL CABINET TYPE: TS2
CONTROLLER TYPE: EPAC
DATE: 08/2024 PAGE NO. 2 OF 3

2

PROJECT ID:	1610-00-77
INTERSECTION:	STH 13 & 6TH STREET

SIGNAL WIRE COLOR CODING	BLK - BLACK	RED - RED	GRN - GREEN
	WHT - WHITE	BLU - BLUE	ORG - ORANGE

CB_ TO	AWG 14 # OF	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING>	D/WALK	WALK	
SB1	12	4	RED	ORG	GRN							
		62								BLU	BLK	
SB4	12	2	RED	ORG	GRN							
		3	RED/BLK	ORG/BLK	GRN/BLK							
		81								BLU	BLK	
SB5	12	1	RED	ORG	GRN							
		42								BLU	BLK	
SB7	12	11	RED	ORG	GRN							
		12	RED/BLK	ORG/BLK	GRN/BLK							
		61								BLU	BLK	
SB8	12	10	RED	ORG	GRN							
		41								BLU	BLK	
SB11	12	8	RED	ORG	GRN							
		9	RED/BLK	ORG/BLK	GRN/BLK							
		22								BLU	BLK	
SB12	12	7	RED	ORG	GRN							
		21								BLU	BLK	
SB15	12	5	RED	ORG	GRN							
		6	RED/BLK	ORG/BLK	GRN/BLK							
		82								BLU	BLK	

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GREEN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	SB13
SB13	SB14
SB14	SB15
SB15	CB1

*USE THE WHITE CONDUCTOR IN THE CABLE ASSEMBLY AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS
*ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 12" LONGER THAN THE UNGROUNDED CONDUCTORS.
*AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRAIN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.
"OTHER" COLUMN MAY INCLUDE SHADOW BOX SIGN

STH 13 & 6TH STREET
CITY OF ASHLAND
ASHLAND COUNTY
SIGNAL NO: LOCAL CABINET TYPE: TS2
CONTROLLER TYPE: EPAC
DATE: 08/2024 PAGE NO. 3 OF 3

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 3", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 12" X 24"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- DON'T WALK INDICATOR 16"
- WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

N

STH 13 (ELLIS AV)

1166'EA' 1167'EA' 1168'EA' 1169'EA' 1170'EA' 1171'EA'

MAIN ST W (AKA 2ND ST W)

MAIN ST E (AKA 2ND ST E)

9'MA'

10'MA'

11'MA'

(43) 5'x5' 3 TURNS

(42) 5'x5' 3 TURNS

6'x20' 3 TURNS (41)

2 TURNS (62)

2 TURNS (61)

2 TURNS (21)

2 TURNS (22)

180' TO NEAR RIGHT (63) 6'x20' 3 TURNS

6'x20' 4 TURNS (63) 180' TO NEAR RIGHT

(82) (81) (62) (61) (42) (41) (22) (21)

(84) (83) (82) (81) (62) (61) (42) (41) (22) (21) (t8)

(2) 5'x5' 4 TURNS (83)

PB7 PB8 PB9 PB10 PB15 PB16 CB2 PB17 PB18

SB10 SB11 SB12 SB13 SB14 SB15 SB16

NORVADO BRIGHTSPEED XCEL ENERGY

TRAFFIC CONTROL SIGNAL
STH 13 (ELLIS AV) AND MAIN ST
CITY OF ASHLAND
ASHLAND COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY: SEH
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 120 E

FILE NAME : X:\KO\N\NWBE0\164357\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-20\1610-00-07\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\024001_SP (TRF SIG SHT REMOVALS).DWG PLOT DATE : 8/1/2024 11:23 AM PLOT BY : SEH LAYOUT NAME : 02 PLOT SCALE : 1.0 IN = 40.0 FT

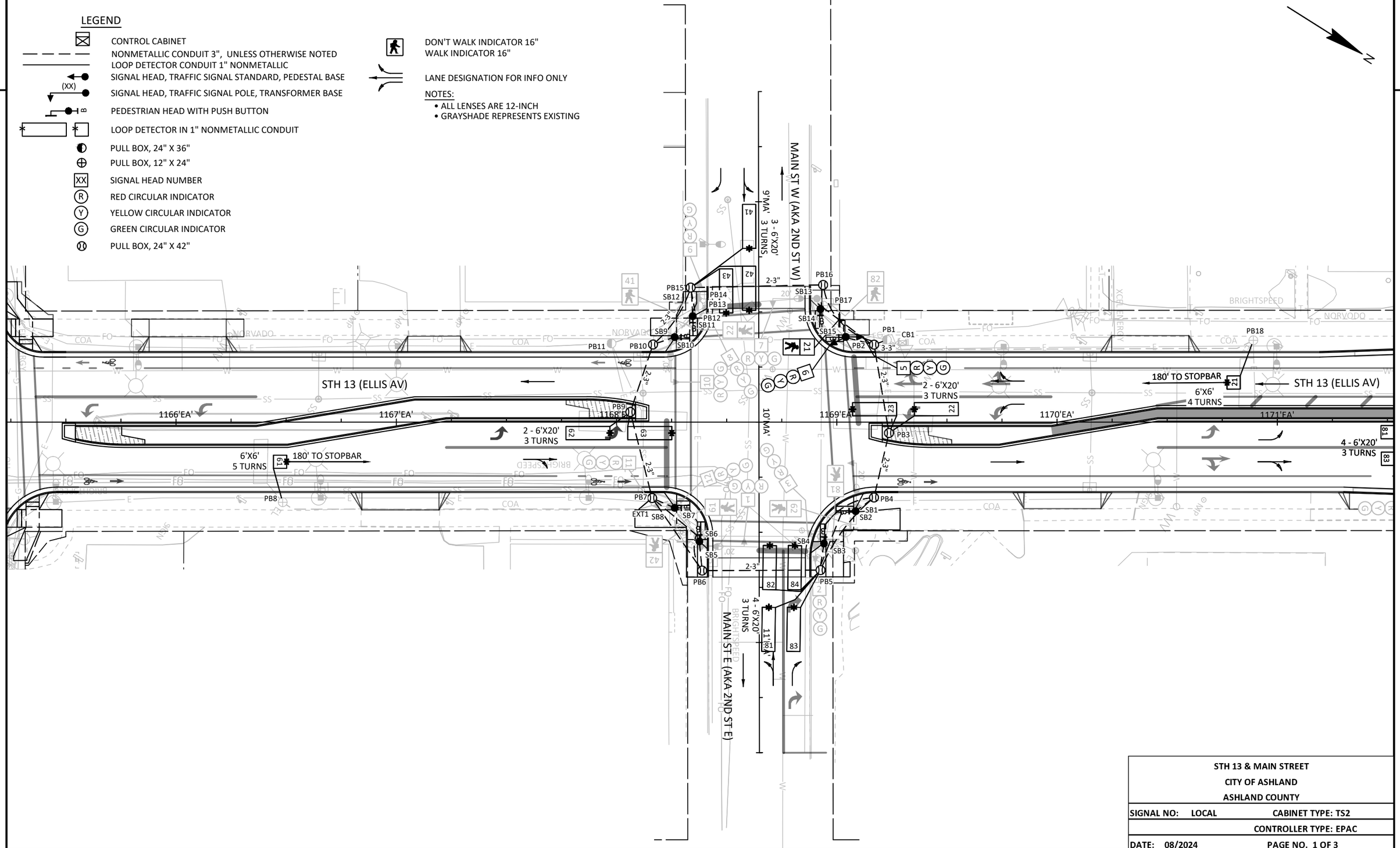
WISDOT/CADDS SHEET 42

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 3", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 12" X 24"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- PULL BOX, 24" X 42"
- DON'T WALK INDICATOR 16"
- WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

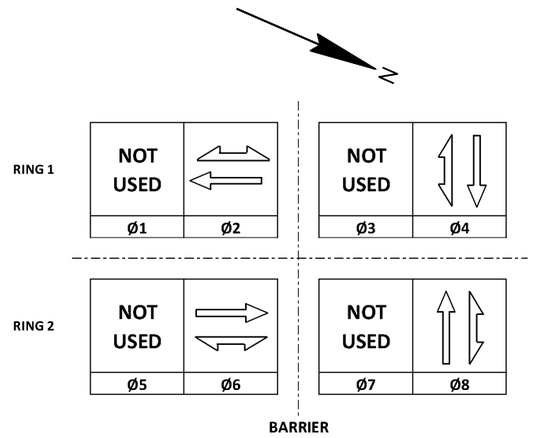
NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING



STH 13 & MAIN STREET	
CITY OF ASHLAND	
ASHLAND COUNTY	
SIGNAL NO: LOCAL	CABINET TYPE: TS2
	CONTROLLER TYPE: EPAC
DATE: 08/2024	PAGE NO. 1 OF 3

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC SIGNAL PLAN	SHEET 121 E

	HEAD NUMBERS	FLASH
Ø1		
Ø2	5,10,12	R
Ø3		
Ø4	1,3,9	R
Ø5		
Ø6	4,6,11	R
Ø7		
Ø8	2,7,8	R
Ø2P	21,22	
Ø4P	41,42	
Ø6P	61,62	
Ø8P	81,82	
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MIN	X
3				
4		8	---	X
5				
6	X	2	MIN	X
7				
8		4	---	X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29
PLAN LOOP DETECTOR*(S)	21	23	42	61	63	82	84									
ASSIGNED PHASE	2	2	4	6	6	8	8									
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH	VEH									
SWITCH																
EXTEND																
DELAY																

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30
PLAN LOOP DETECTOR*(S)	22	41	43	62	81	83										
ASSIGNED PHASE	2	4	4	6	8	8										
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH										
SWITCH																
EXTEND																
DELAY																

STH 13 & MAIN STREET
CITY OF ASHLAND
ASHLAND COUNTY

SIGNAL NO: LOCAL CABINET TYPE: TS2
CONTROLLER TYPE: EPAC
DATE: 08/2024 PAGE NO. 2 OF 3

PROJECT ID:	1610-00-77
INTERSECTION:	STH 13 & MAIN STREET

SIGNAL WIRE COLOR CODING	BLK - BLACK	RED - RED	GRN - GREEN
	WHT - WHITE	BLU - BLUE	ORG - ORANGE

CB_ TO	AWG 14 # OF	HEAD NO.	SIGNAL INDICATION WIRE COLOR							D/WALK	WALK	PED BUTTON
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING>			
SB1	12	4	RED	ORG	GRN							
		62								BLU	BLK	
SB4	12	2	RED	ORG	GRN							
		3	RED/BLK	ORG/BLK	GRN/BLK							
		81								BLU	BLK	
SB5	12	1	RED	ORG	GRN							
		42								BLU	BLK	
SB8	12	11	RED	ORG	GRN							
		12	RED/BLK	ORG/BLK	GRN/BLK							
		61								BLU	BLK	
SB9	12	10	RED	ORG	GRN							
		41								BLU	BLK	
SB12	12	8	RED	ORG	GRN							
		9	RED/BLK	ORG/BLK	GRN/BLK							
		22								BLU	BLK	
SB13	12	7	RED	ORG	GRN							
		21								BLU	BLK	
SB15	12	5	RED	ORG	GRN							
		6	RED/BLK	ORG/BLK	GRN/BLK							
		82								BLU	BLK	

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GREEN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	SB13
SB13	SB14
SB14	SB15
SB15	CB1

*USE THE WHITE CONDUCTOR IN THE CABLE ASSEMBLY AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS
*ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 12" LONGER THAN THE UNGROUNDED CONDUCTORS.
*AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRAIN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.
"OTHER" COLUMN MAY INCLUDE SHADOW BOX SIGN

STH 13 & MAIN STREET	
CITY OF ASHLAND	
ASHLAND COUNTY	
SIGNAL NO: LOCAL	CABINET TYPE: TS2
	CONTROLLER TYPE: EPAC
DATE: 08/2024	PAGE NO. 3 OF 3

2

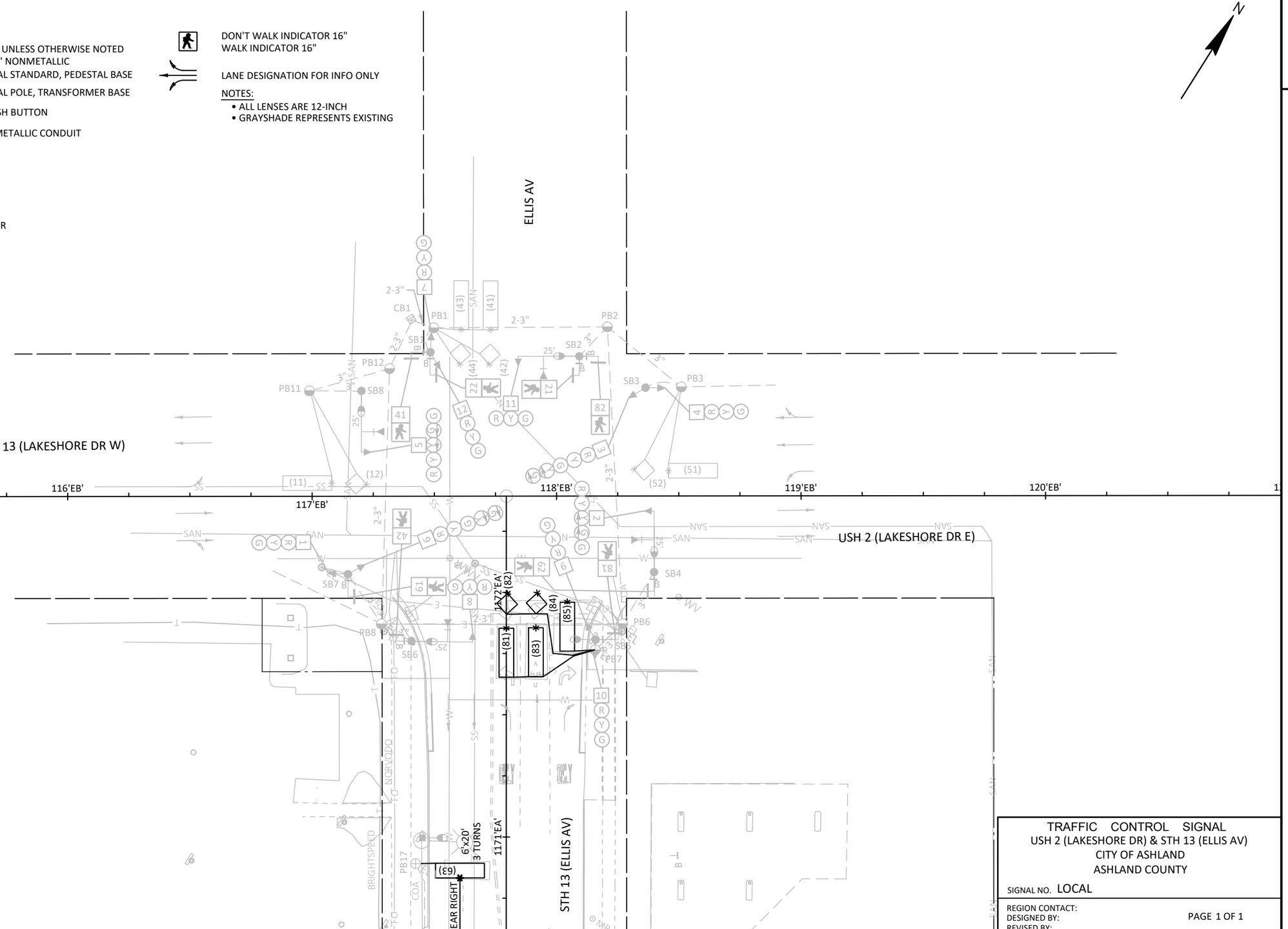
2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 3", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- B PEDESTRIAN HEAD WITH PUSH BUTTON
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 12" X 24"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- EVP DETECTOR HEAD

- DON'T WALK INDICATOR 16"
  WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
USH 2 (LAKESHORE DR) & STH 13 (ELLIS AV)
CITY OF ASHLAND
ASHLAND COUNTY

SIGNAL NO. LOCAL

REGION CONTACT:
DESIGNED BY:
REVISED BY:

PAGE 1 OF 1

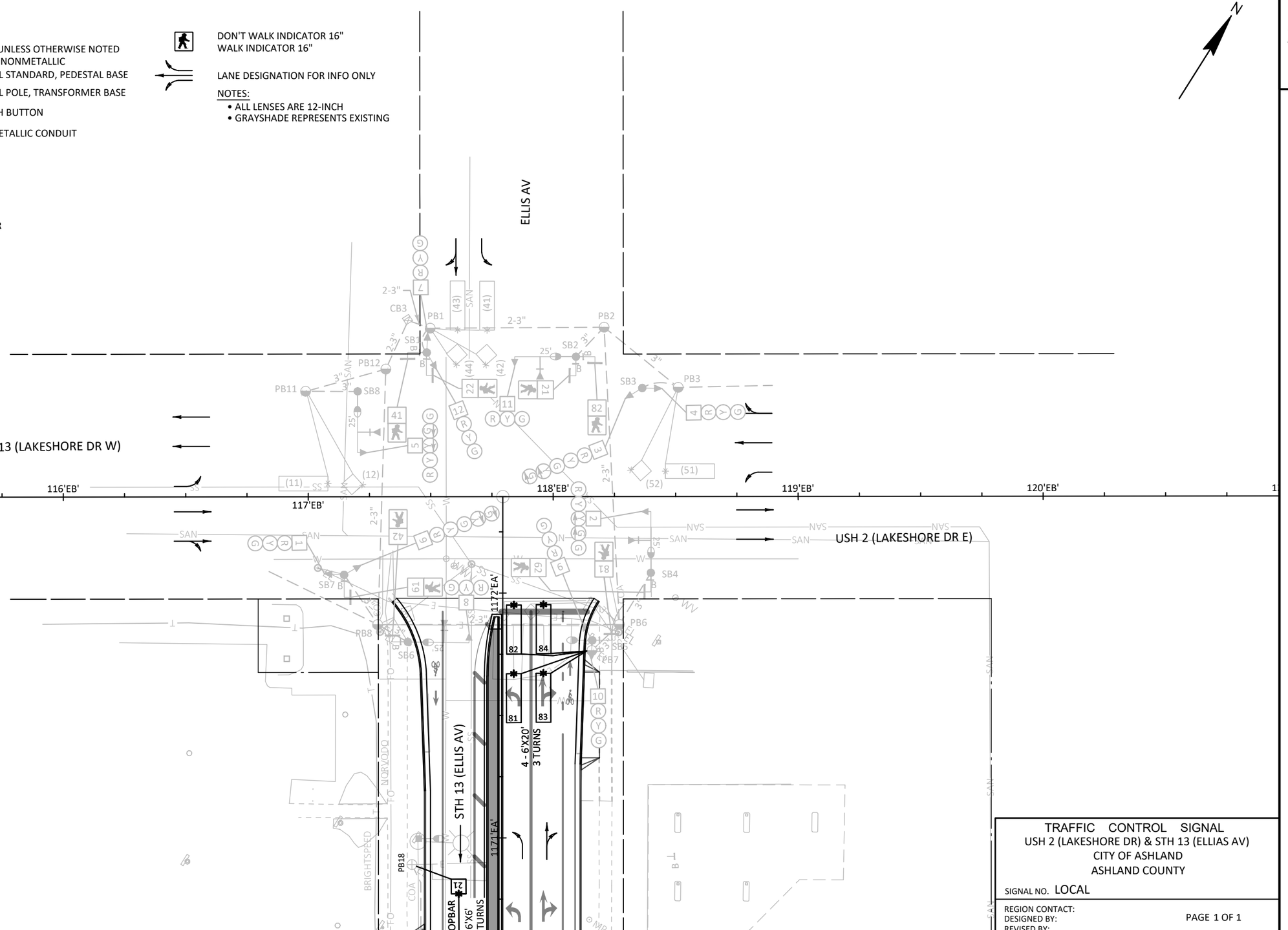
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 124 E

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 3", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- B PEDESTRIAN HEAD WITH PUSH BUTTON
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 12" X 24"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- EVP DETECTOR HEAD
- DON'T WALK INDICATOR 16" / WALK INDICATOR 16"
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
USH 2 (LAKESHORE DR) & STH 13 (ELLIAS AV)
CITY OF ASHLAND
ASHLAND COUNTY

SIGNAL NO. LOCAL

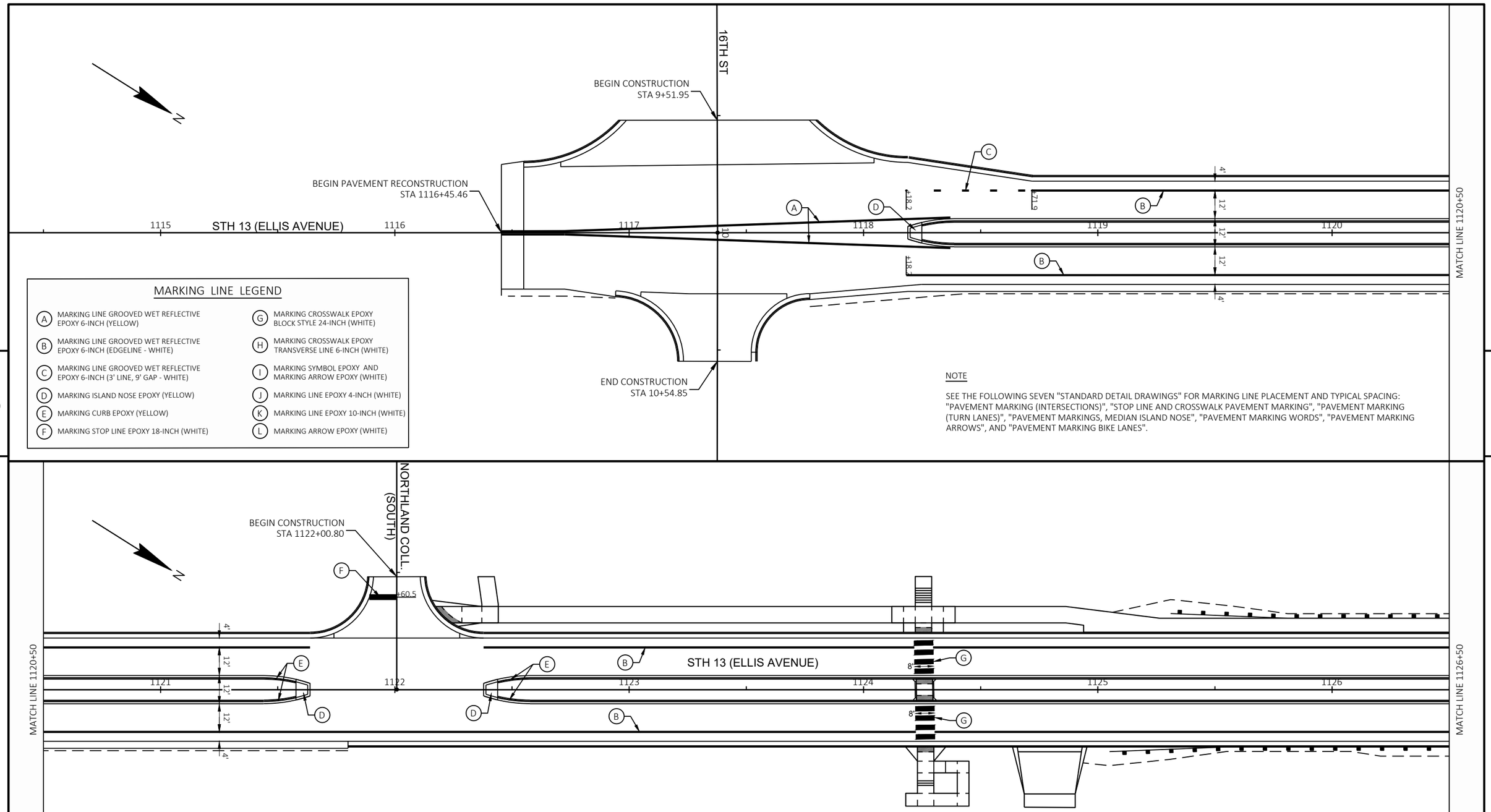
REGION CONTACT:
DESIGNED BY:
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC SIGNAL PLAN	SHEET 125 E

FILE NAME : X:\KO\N\NWBE0\164357\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-20\1610-00-07\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\024003_SP (TRF SIG SHT PROPOSED).DWG PLOT DATE : 8/1/2024 11:24 AM PLOT BY : SEH LAYOUT NAME : 03 PLOT SCALE : 1.0 IN = 40.0 FT

WISDOT/CADDS SHEET 42



MARKING LINE LEGEND

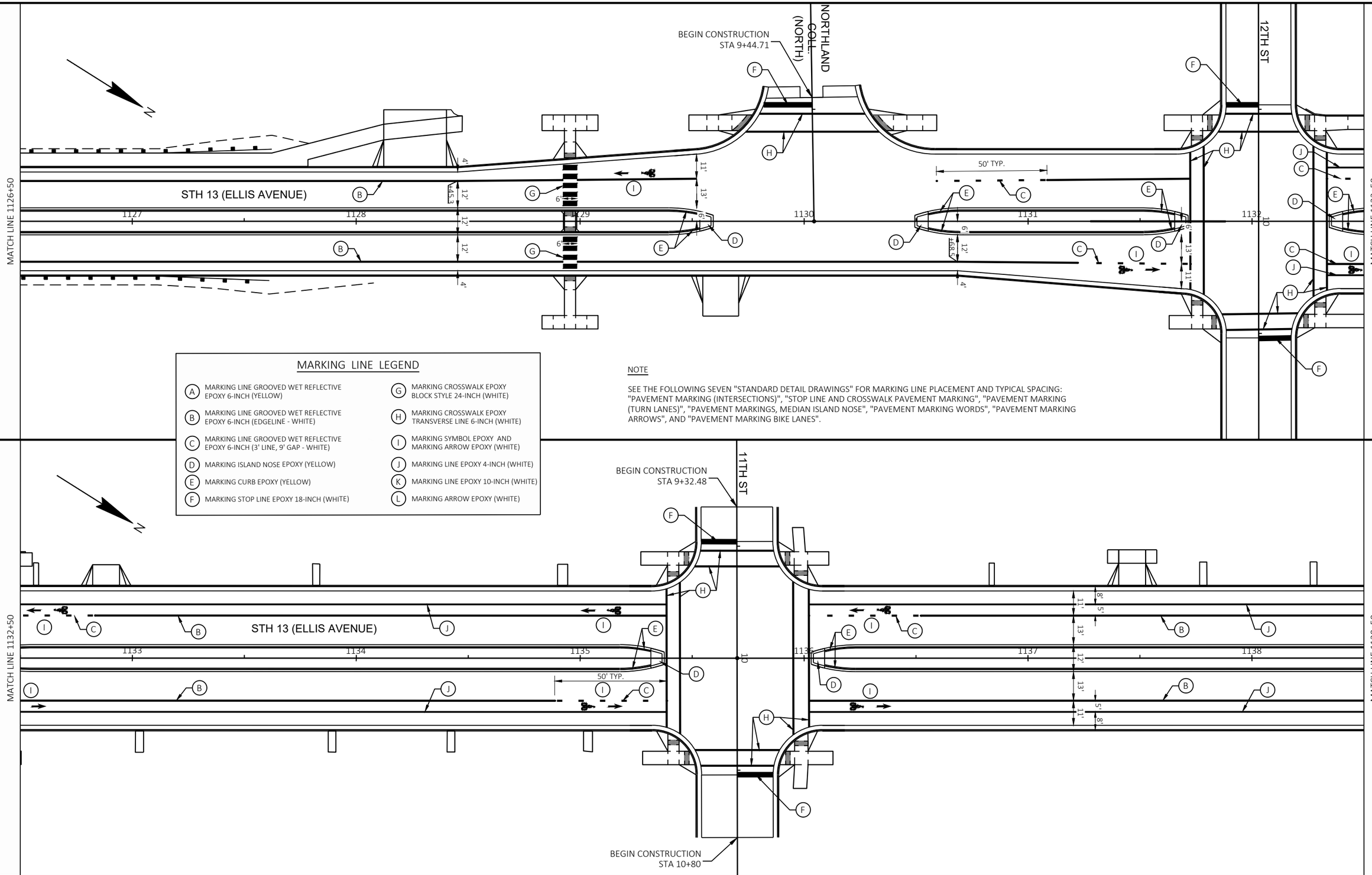
- (A) MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
- (B) MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (EDGELINE - WHITE)
- (C) MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (3' LINE, 9' GAP - WHITE)
- (D) MARKING ISLAND NOSE EPOXY (YELLOW)
- (E) MARKING CURB EPOXY (YELLOW)
- (F) MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (G) MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
- (H) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (I) MARKING SYMBOL EPOXY AND MARKING ARROW EPOXY (WHITE)
- (J) MARKING LINE EPOXY 4-INCH (WHITE)
- (K) MARKING LINE EPOXY 10-INCH (WHITE)
- (L) MARKING ARROW EPOXY (WHITE)

NOTE

SEE THE FOLLOWING SEVEN "STANDARD DETAIL DRAWINGS" FOR MARKING LINE PLACEMENT AND TYPICAL SPACING: "PAVEMENT MARKING (INTERSECTIONS)", "STOP LINE AND CROSSWALK PAVEMENT MARKING", "PAVEMENT MARKING (TURN LANES)", "PAVEMENT MARKINGS, MEDIAN ISLAND NOSE", "PAVEMENT MARKING WORDS", "PAVEMENT MARKING ARROWS", AND "PAVEMENT MARKING BIKE LANES".

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PAVEMENT MARKING	SHEET 126 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\024501-PM-13.DWG
LAYOUT NAME - 13_pm-01
PLOT DATE : 9/11/2024 12:00 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



MARKING LINE LEGEND

- (A) MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
- (B) MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (EDGELINE - WHITE)
- (C) MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (3' LINE, 9' GAP - WHITE)
- (D) MARKING ISLAND NOSE EPOXY (YELLOW)
- (E) MARKING CURB EPOXY (YELLOW)
- (F) MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (G) MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
- (H) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (I) MARKING SYMBOL EPOXY AND MARKING ARROW EPOXY (WHITE)
- (J) MARKING LINE EPOXY 4-INCH (WHITE)
- (K) MARKING LINE EPOXY 10-INCH (WHITE)
- (L) MARKING ARROW EPOXY (WHITE)

NOTE

SEE THE FOLLOWING SEVEN "STANDARD DETAIL DRAWINGS" FOR MARKING LINE PLACEMENT AND TYPICAL SPACING: "PAVEMENT MARKING (INTERSECTIONS)", "STOP LINE AND CROSSWALK PAVEMENT MARKING", "PAVEMENT MARKING (TURN LANES)", "PAVEMENT MARKINGS, MEDIAN ISLAND NOSE", "PAVEMENT MARKING WORDS", "PAVEMENT MARKING ARROWS", AND "PAVEMENT MARKING BIKE LANES".

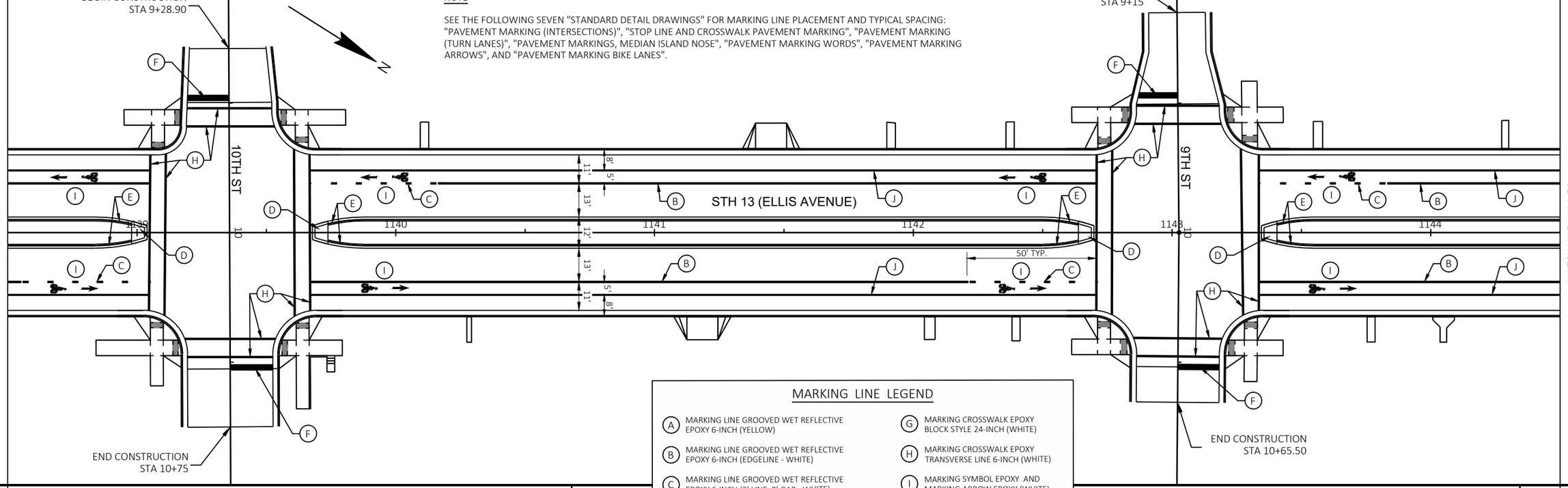
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PAVEMENT MARKING	SHEET 127	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\024501-PM-13.DWG
LAYOUT NAME - 13_pm-02

PLOT DATE : 9/11/2024 12:00 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

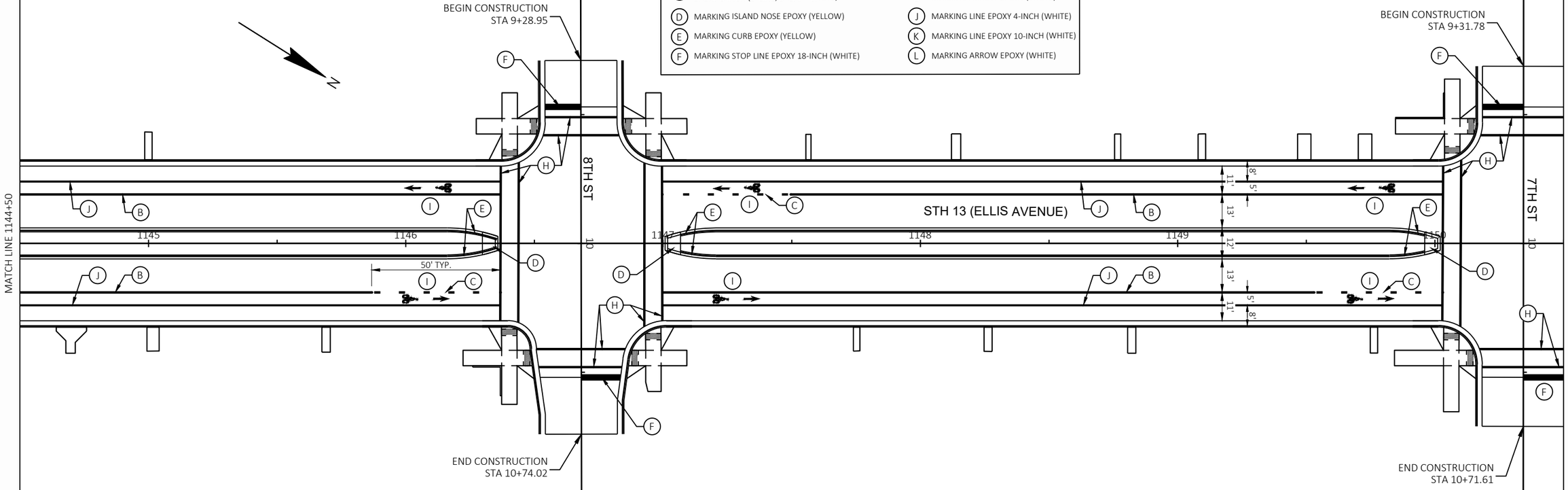
NOTE

SEE THE FOLLOWING SEVEN "STANDARD DETAIL DRAWINGS" FOR MARKING LINE PLACEMENT AND TYPICAL SPACING: "PAVEMENT MARKING (INTERSECTIONS)", "STOP LINE AND CROSSWALK PAVEMENT MARKING", "PAVEMENT MARKING (TURN LANES)", "PAVEMENT MARKINGS, MEDIAN ISLAND NOSE", "PAVEMENT MARKING WORDS", "PAVEMENT MARKING ARROWS", AND "PAVEMENT MARKING BIKE LANES".

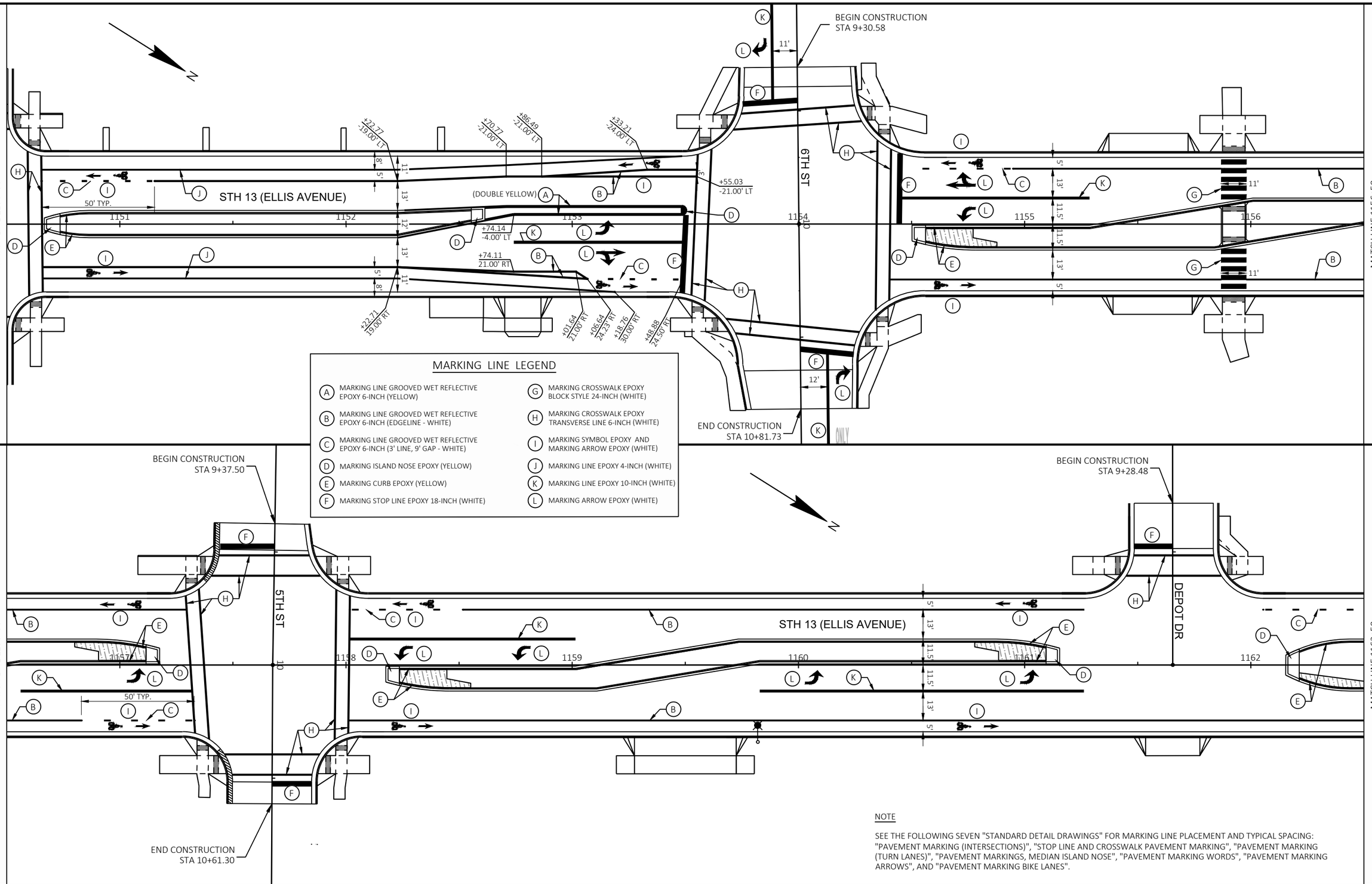


MARKING LINE LEGEND

- (A) MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
- (B) MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (EDGELINE - WHITE)
- (C) MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (3' LINE, 9' GAP - WHITE)
- (D) MARKING ISLAND NOSE EPOXY (YELLOW)
- (E) MARKING CURB EPOXY (YELLOW)
- (F) MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (G) MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
- (H) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (I) MARKING SYMBOL EPOXY AND MARKING ARROW EPOXY (WHITE)
- (J) MARKING LINE EPOXY 4-INCH (WHITE)
- (K) MARKING LINE EPOXY 10-INCH (WHITE)
- (L) MARKING ARROW EPOXY (WHITE)



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PAVEMENT MARKING	SHEET 128	E



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PAVEMENT MARKING	SHEET 129	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\024501-PM-13.DWG
LAYOUT NAME - 13_pm-04
PLOT DATE : 9/11/2024 12:01 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

BEGIN CONSTRUCTION
STA 9+48.21

MARKING LINE GROOVED WET REFLECTIVE
EPOXY 6-INCH (TYP. EDGELINE)

3RD ST

STH 13 (ELLIS AVENUE)

MATCH LINE 1162+50

MATCH LINE 1168+50

1163 1164 1165 1166 1167 1168

50 TYP.

5' 13' 11.5' 11.5' 13' 5'

END CONSTRUCTION
STA 10+80.00

5

5

MARKING LINE LEGEND

- (A) MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (YELLOW)
- (B) MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (EDGELINE - WHITE)
- (C) MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH (3' LINE, 9' GAP - WHITE)
- (D) MARKING ISLAND NOSE EPOXY (YELLOW)
- (E) MARKING CURB EPOXY (YELLOW)
- (F) MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (G) MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
- (H) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (I) MARKING SYMBOL EPOXY AND MARKING ARROW EPOXY (WHITE)
- (J) MARKING LINE EPOXY 4-INCH (WHITE)
- (K) MARKING LINE EPOXY 10-INCH (WHITE)
- (L) MARKING ARROW EPOXY (WHITE)

BEGIN CONSTRUCTION
STA 9+40.96

MARKING DIAGONAL EPOXY 12-INCH
(25' C-C, YELLOW, TYP.)

MAIN ST

STH 13 (ELLIS AVENUE)

+69.30 -11.50°

+65.58 -11.50°

R50'

MATCH LINE 1168+50

1169 1170 1171 1172

5' 13' 11.5' 11.5' 13' 5'

11'

END CONSTRUCTION
STA 10+72.80

USH 2 (LAKE SHORE DRIVE)

END PROJECT
STA 1171+97.90

NOTE

SEE THE FOLLOWING SEVEN "STANDARD DETAIL DRAWINGS" FOR MARKING LINE PLACEMENT AND TYPICAL SPACING: "PAVEMENT MARKING (INTERSECTIONS)", "STOP LINE AND CROSSWALK PAVEMENT MARKING", "PAVEMENT MARKING (TURN LANES)", "PAVEMENT MARKINGS, MEDIAN ISLAND NOSE", "PAVEMENT MARKING WORDS", "PAVEMENT MARKING ARROWS", AND "PAVEMENT MARKING BIKE LANES".

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PAVEMENT MARKING	SHEET 130	E

GENERAL NOTES:

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. INSTALL ROUTE ASSEMBLIES ADJACENT TO EXISTING ROUTE MARKERS WHEN POSSIBLE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

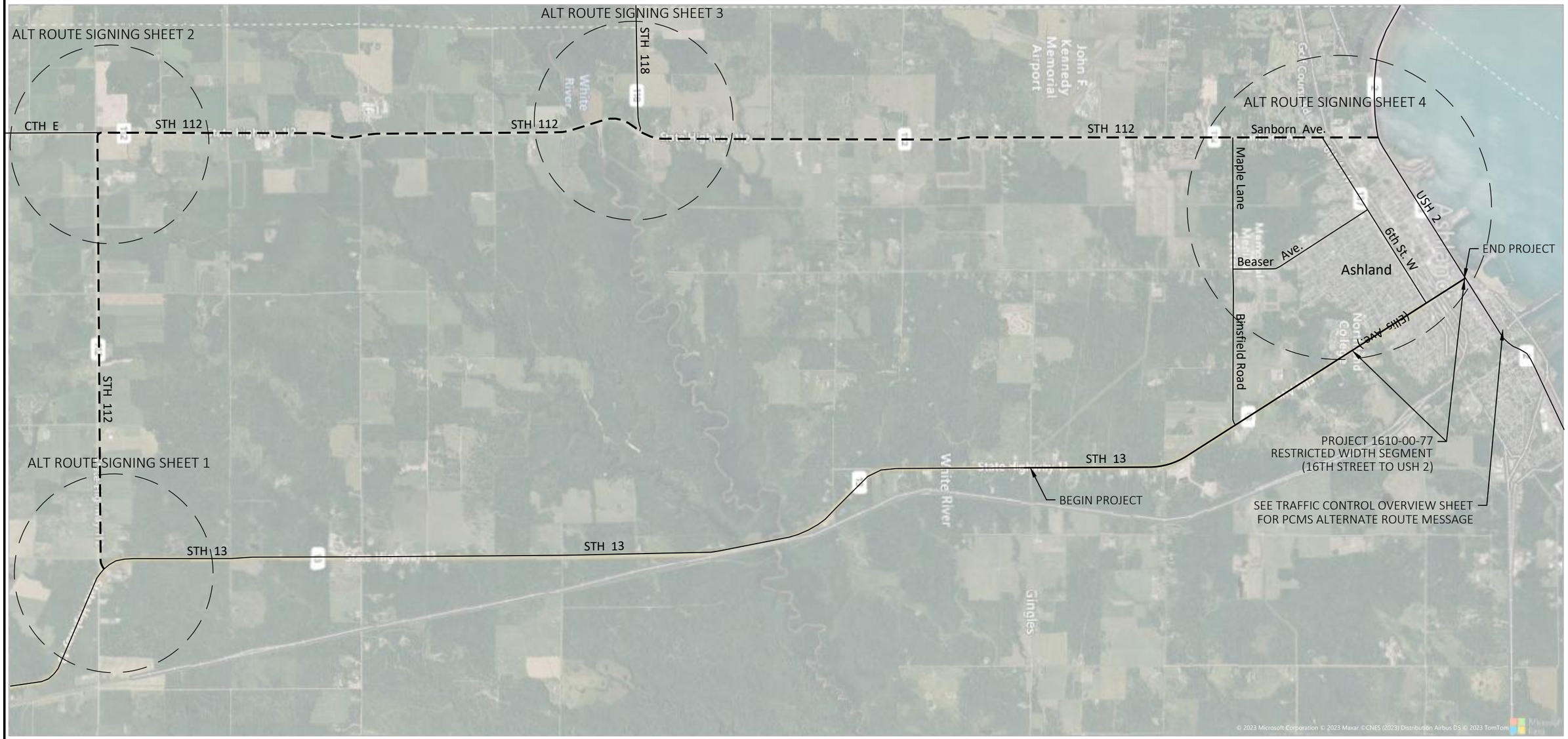
"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

LEGEND

- EXISTING SIGN
- PROPOSED SIGN
- ROUTE SIGN ON SINGLE SUPPORT
- EXISTING SIGN SUPPORT
- ALTERNATE ROUTE

N



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	ALTERNATE ROUTE OVERVIEW	SHEET 131	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\025000_AW-ALTROUTE.DWG
LAYOUT NAME - 13-tc-AltRoute-Overview

PLOT DATE : 7/29/2024 2:31 PM PLOT BY : USER PLOT NAME : PLOT SCALE : 1 IN:0.75 MI

GENERAL NOTES:

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. INSTALL ROUTE ASSEMBLIES ADJACENT TO EXISTING ROUTE MARKERS WHEN POSSIBLE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

LEGEND

- EXISTING SIGN
- PROPOSED SIGN
- ROUTE SIGN ON SINGLE SUPPORT
- EXISTING SIGN SUPPORT
- ALTERNATE ROUTE

N

STH 13

STH 112

M4-4 24"X12" TRUCK
MO4-1 24"X12" ALTERNATE
M3-1 24"X12" NORTH
M1-6 24"X24" 13
MO6-1 21"X21"

NORTH 112

M4-4 24"X12" TRUCK
MO4-1 24"X12" ALTERNATE
M3-1 24"X12" NORTH
M1-6 24"X24" 13
MO5-1L 21"X21"

Ashland
Benoit

NORTH 13 M3-1 24"X12" M1-6 24"X24"

W12-52 48"X48" MAX. 12' WIDTH

JCT 112

10 MILES AHEAD
WO57-52 48"X36"

ALTERNATE ROUTE FOLLOW HWY 112 NORTH
G20-53 114"X48"

M4-6 24"X12" END
M4-4 24"X12" TRUCK
MO4-1 24"X12" ALTERNATE
M3-3 24"X12" SOUTH
M1-6 24"X24" 13

GENERAL NOTES:

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. INSTALL ROUTE ASSEMBLIES ADJACENT TO EXISTING ROUTE MARKERS WHEN POSSIBLE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

LEGEND

- EXISTING SIGN
- PROPOSED SIGN
- ROUTE SIGN ON SINGLE SUPPORT
- EXISTING SIGN SUPPORT
- ALTERNATE ROUTE

N

STH 112

CTH E

M4-4 24"X12"
MO4-1 24"X12"
M3-3 24"X12"
M1-6 24"X24"
MO6-1 21"X21"
TRUCK ALTERNATE SOUTH 13

M4-4 24"X12"
MO4-1 24"X12"
M3-1 24"X12"
M1-6 24"X24"
TRUCK ALTERNATE NORTH 13

M4-4 24"X12"
MO4-1 24"X12"
M3-1 24"X12"
M1-6 24"X24"
MO6-1 21"X21"
TRUCK ALTERNATE NORTH 13

M3-1 24"X12"
M1-6 24"X24"
W12-52 48"X48"
NORTH 13
MAX. 12' WIDTH

M4-4 24"X12"
MO4-1 24"X12"
M3-3 24"X12"
M1-6 24"X24"
TRUCK ALTERNATE SOUTH 13

GENERAL NOTES:

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. INSTALL ROUTE ASSEMBLIES ADJACENT TO EXISTING ROUTE MARKERS WHEN POSSIBLE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

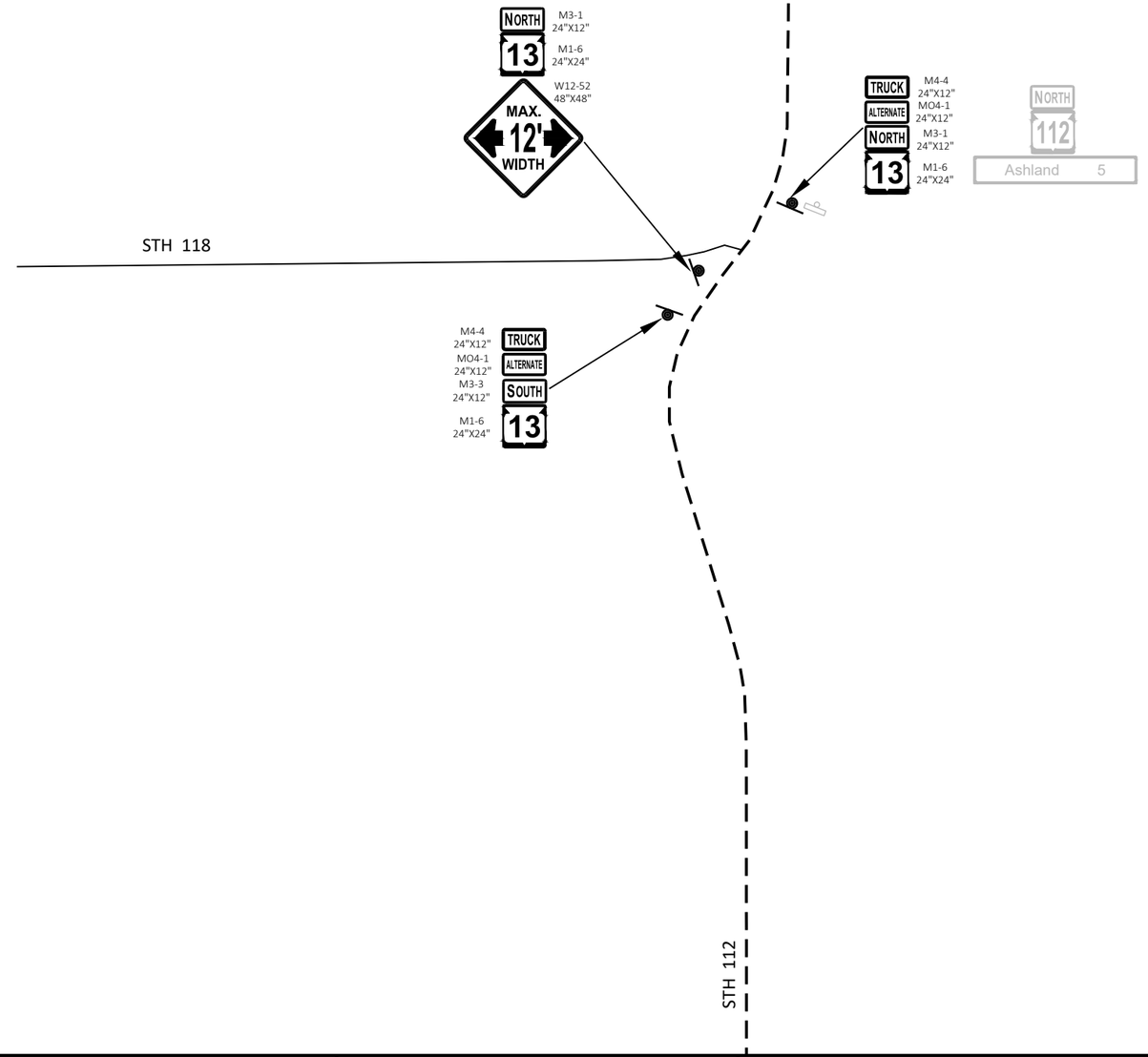
"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

LEGEND

- EXISTING SIGN
- PROPOSED SIGN
- ROUTE SIGN ON SINGLE SUPPORT
- EXISTING SIGN SUPPORT
- ALTERNATE ROUTE

N



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	ALTERNATE ROUTE SIGNING - SHEET 3	SHEET 134	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\025000_AW-ALTROUTE.DWG
LAYOUT NAME - 13-tc-AltRoute-03

PLOT DATE : 7/29/2024 2:31 PM PLOT BY : USER PLOT NAME : PLOT SCALE : 1 IN:1000 FT

GENERAL NOTES:

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. INSTALL ROUTE ASSEMBLIES ADJACENT TO EXISTING ROUTE MARKERS WHEN POSSIBLE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

N

USH 2

STH 13 (Ellis Ave.)

6th St. W

Sanborn Ave.

Ave.

Beaser

Maple Lane

Binsfield Road

PLACE SIGNS IN FRONT OF TYPE 3 LIGHT POLE

M4-4 24"X12" TRUCK ALTERNATE
MO4-1 24"X12"
M3-3 24"X12" SOUTH 13
M1-6 24"X24"
MO6-1 21"X21"

M3-3 24"X12" SOUTH 13
M1-6 24"X24"
W12-52 48"X48" MAX. 12' WIDTH

M4-4 24"X12" TRUCK ALTERNATE
MO4-1 24"X12"
M3-3 24"X12" SOUTH 13
M1-6 24"X24"
MO5-1L 21"X21"

JCT 112

SOUTH 112 WEST 2

M4-4 24"X12" TRUCK ALTERNATE
MO4-1 24"X12"
M3-3 24"X12" SOUTH 13
M1-6 24"X24"
MO6-1 21"X21"

END
M4-6 24"X12"
M4-4 24"X12" TRUCK ALTERNATE
MO4-1 24"X12"
M3-1 24"X12" NORTH 13
M1-6 24"X24"

M3-3 24"X12" SOUTH 13
M1-6 24"X24"
W12-52 48"X48" MAX. 12' WIDTH
1-1/2 MILES AHEAD
WO57-52 SIZE

M4-4 24"X12" TRUCK ALTERNATE
MO4-1 24"X12"
M3-3 24"X12" SOUTH 13
M1-6 24"X24"
MO5-1R 21"X21"

M4-4 24"X12" TRUCK ALTERNATE
MO4-1 24"X12"
M3-3 24"X12" SOUTH 13
M1-6 24"X24"
MO6-1 21"X21"

M4-4 24"X12" TRUCK ALTERNATE
MO4-1 24"X12"
M3-1 24"X12" NORTH 13
M1-6 24"X24"

M4-4 24"X12" TRUCK ALTERNATE
MO4-1 24"X12"
M3-3 24"X12" SOUTH 13
M1-6 24"X24"

LEGEND

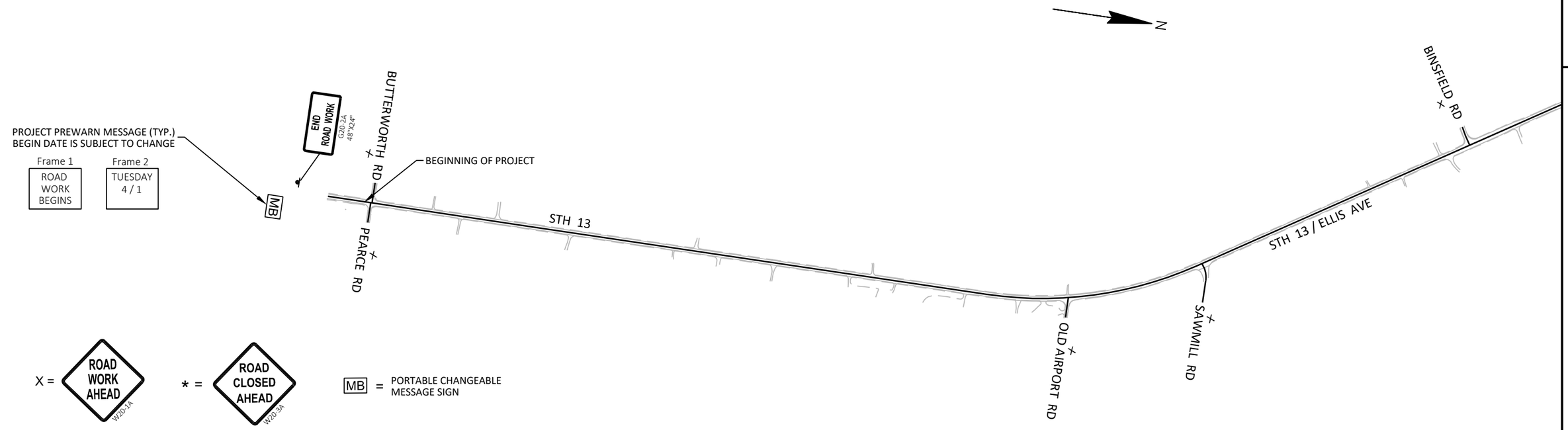
- 2 EXISTING SIGN
- 13 PROPOSED SIGN
- ROUTE SIGN ON SINGLE SUPPORT
- EXISTING SIGN SUPPORT
- ALTERNATE ROUTE

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	ALTERNATE ROUTE SIGNING - SHEET 4	SHEET 135	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\025000_AW-ALTROUTE.DWG
LAYOUT NAME - 13-tc-AltRoute-04

PLOT DATE : 7/29/2024 2:31 PM PLOT BY : USER PLOT NAME : PLOT SCALE : 1 IN:1000 FT

2



NOTES:

FOR ADVANCE SIGNING AND SIDE ROAD APPROACH SIGNING, SOUTH OF 16TH STREET, USE STANDARD DETAIL DRAWING 'TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC'. SEE TRAFFIC CONTROL PLAN SHEETS FOR STAGED CONSTRUCTION NORTH OF 16TH STREET.

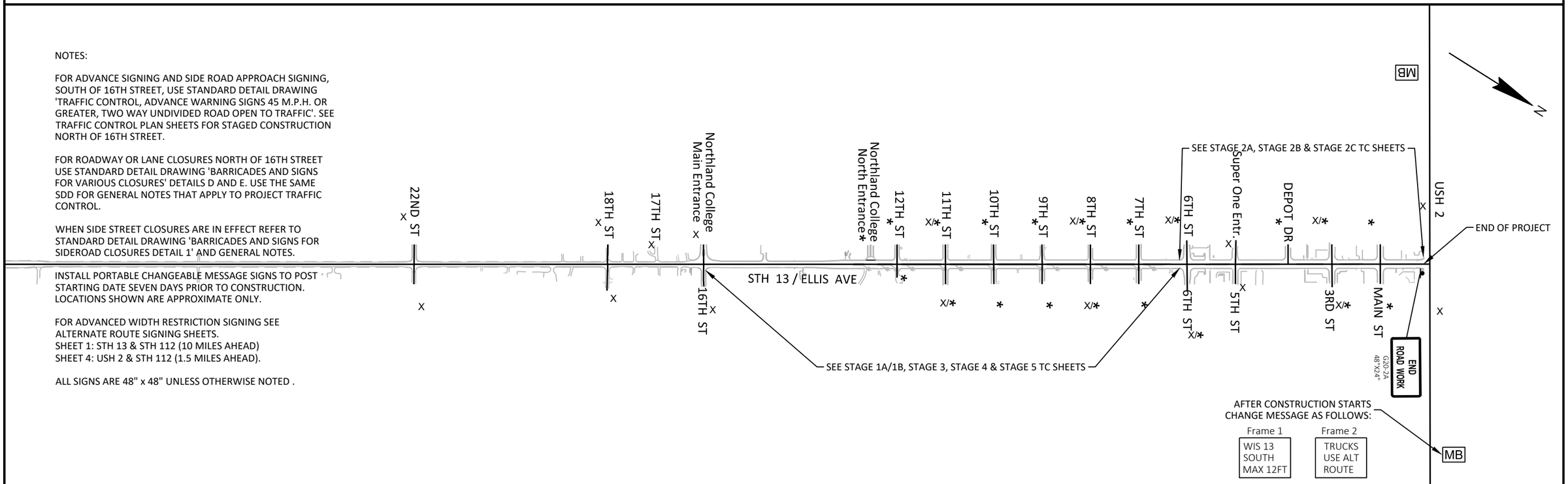
FOR ROADWAY OR LANE CLOSURES NORTH OF 16TH STREET USE STANDARD DETAIL DRAWING 'BARRICADES AND SIGNS FOR VARIOUS CLOSURES' DETAILS D AND E. USE THE SAME SDD FOR GENERAL NOTES THAT APPLY TO PROJECT TRAFFIC CONTROL.

WHEN SIDE STREET CLOSURES ARE IN EFFECT REFER TO STANDARD DETAIL DRAWING 'BARRICADES AND SIGNS FOR SIDEROAD CLOSURES DETAIL 1' AND GENERAL NOTES.

INSTALL PORTABLE CHANGEABLE MESSAGE SIGNS TO POST STARTING DATE SEVEN DAYS PRIOR TO CONSTRUCTION. LOCATIONS SHOWN ARE APPROXIMATE ONLY.

FOR ADVANCED WIDTH RESTRICTION SIGNING SEE ALTERNATE ROUTE SIGNING SHEETS.
SHEET 1: STH 13 & STH 112 (10 MILES AHEAD)
SHEET 4: USH 2 & STH 112 (1.5 MILES AHEAD).

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED .



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL OVERVIEW	SHEET 136	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\025101_TC-13_OVERVIEW.DWG
LAYOUT NAME - 13_tc-Overview
PLOT DATE : 7/25/2024 4:55 PM
PLOT BY : USER
PLOT NAME :
PLOT SCALE : 1 IN:750 FT
WISDOT/CADDS SHEET 44

STAGE 1: 16TH ST TO 6TH ST

PRE-STAGE 1A WORK

INSTALL STORM SEWER PIPES 4, 5, 11, 12, REQUIRED FOR DRAINAGE DURING SUBSEQUENT STAGING, BEFORE STAGE 1A WORK. RESTRICT TRAFFIC TO A SINGLE LANE WITH TWO-WAY TRAFFIC CONTROLLED BY FLAGGING OPERATIONS DURING WORKING HOURS ONLY.

STAGE 1A WORK

CUT EXISTING SHOULDER, CONSTRUCT 10-INCH BASE AGGREGATE, AND PAVE 5-INCH TEMPORARY ASPHALT AT 6 FEET WIDE ALONG NB EAST EDGE OF ASPHALT FROM 16TH STREET TO STATION 1122+20. REMOVE CURB & GUTTER FROM STATION 1122+20 - 1126+40, CONSTRUCT WIDENING AS DESCRIBED ABOVE, AND INSTALL TEMPORARY ASPHALTIC CURB TO TIE INTO EXISTING CURB FOR DRAINAGE. CURB OPENING AND ASPHALTIC FLUME REQUIRED AT APPROXIMATE STATION 1125+17.

STAGE 1B WORK

SAW CONCRETE LONGITUDINALLY 3' RT FROM STATION 1118+15 - 1121+75, 9' RT FROM STATION 1121+75 - 1125+25, 3' RT FROM STATION 1125+25 - 1128+05, AND 9' RT FROM STATION 1128+05 - 1135+55.

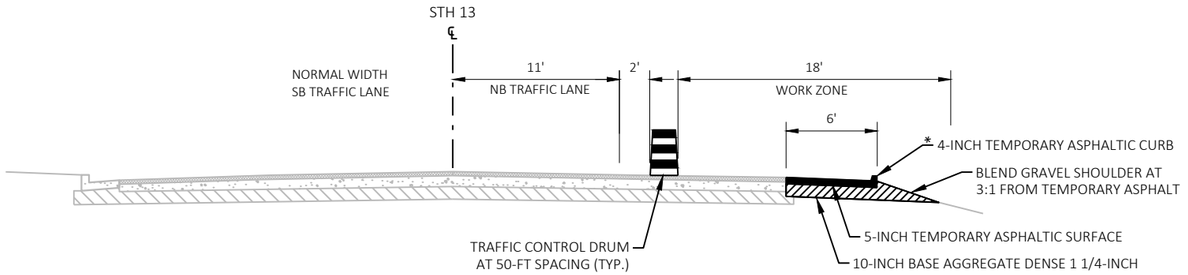
INSTALL STORM SEWER PIPE AND STRUCTURES IN MEDIAN FROM STATION 1121+82 - 1125+17, AND FROM STATION 1128+13 - 1135+46.

REMOVE EXISTING DECORATIVE STREET LIGHT POLES FROM 12TH STREET TO 6TH STREET. SEE ITEM 'SALVAGE & REINSTALL LIGHTING UNIT'.

INSTALL WATER LINES AT 6TH STREET AND AT MAIN STREET WORKING FROM EAST TO WEST DURING SHORT TERM CLOSURES OF THESE STREETS.

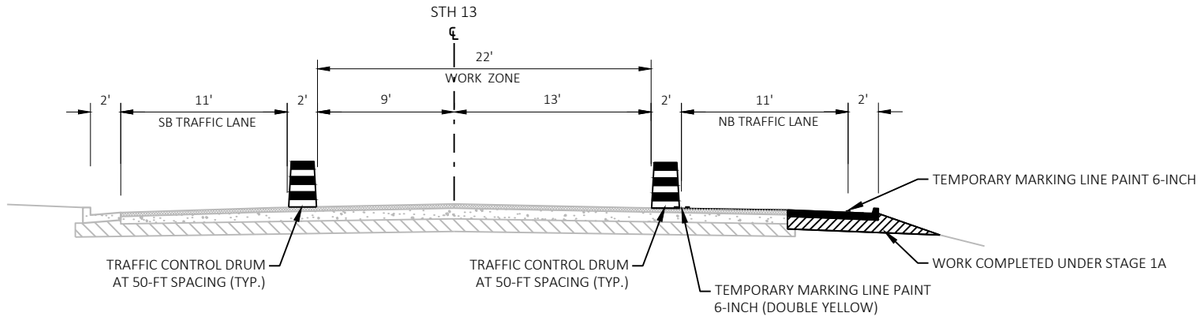
PAVE TEMPORARY ASPHALT OVER STORM SEWER REPLACEMENT AT 7-FOOT WIDTH FROM STATION 1121+75 - 1125+25, AND AT 4-FOOT WIDTH FROM STATION 1128+05 - 1135+55 FOR STAGE 3 TRAFFIC LANE.

PATCH ASPHALT OVER WATER LINES INSTALLED ACROSS STH 13 RIGHT SIDE FOR STAGE 2A TRAFFIC LANES.



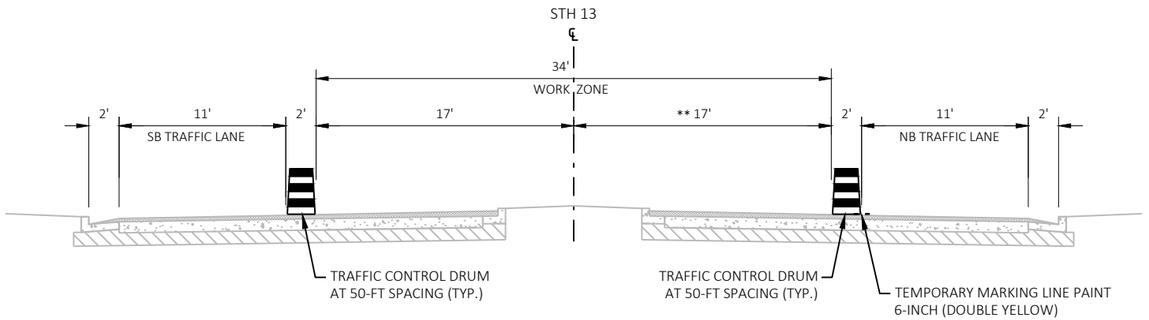
TYPICAL SECTION - STAGE 1A TRAFFIC

STA 1117+80 - STA 1122+20
* STA 1122+20 - STA 1126+40



TYPICAL SECTION - STAGE 1B TRAFFIC

STA 1117+80 - STA 1126+40



** DISTANCE VARIES STA 1126+40 - STA 1128+20

TYPICAL SECTION - STAGE 1B TRAFFIC

STA 1126+40 - STA 1152+75

NOTES:

SEE TRAFFIC CONTROL STAGING TYPICAL SECTION "STAGE 1A TRAFFIC".

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.

GRAVEL
GRAVEL
ASPHALT
ASPHALT
1107
1108
1109
1110
1111
1112
1113
1114
9
ROAD WORK AHEAD
W20-1A
GRAVEL
MAX. 12' WIDTH
W12-52
48"X48"
18TH STREET
11
ROAD WORK 500 FT
W20-1D
ASPHALT
SPEED LIMIT 25
W03-5
GRAVEL

LEGEND

- TYPE III BARRICADE WITH / WITHOUT SIGN
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DRUM WITH / WITHOUT LIGHT
- 42-INCH CONE
- x x x MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- WORK ZONE

NORTHLAND COLLEGE MAIN ENTR.
9
CONCRETE
GRAVEL
1114
1115
1116
1117
10
1118
1119
1120
1121
GRAVEL
ROAD NARROWS
WO5-1
48"X48"
ASPHALT
CONCRETE
16TH STREET
11
SPEED LIMIT 25
R2-1
24"X30"
BEGIN STAGE 1A WIDENING
SEE MOVING SIGNS ON SIGNING DETAIL SHEET

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 1A	SHEET 138	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\026001_S1A-13.DWG
LAYOUT NAME - 13_tc-Stg1A-01

PLOT DATE : 7/26/2024 5:18 PM PLOT BY : USER PLOT NAME : PLOT SCALE : 1 IN:50 FT

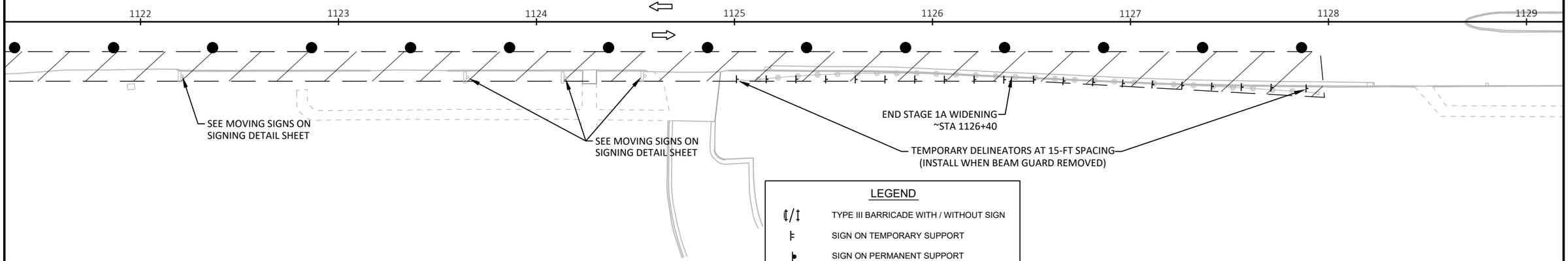
2

NORTHLAND COLLEGE S. ENTR.

NOTES:

SEE TRAFFIC CONTROL STAGING TYPICAL SECTION "STAGE 1A TRAFFIC".

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.



LEGEND

- TYPE III BARRICADE WITH / WITHOUT SIGN
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DRUM WITH / WITHOUT LIGHT
- 42-INCH CONE
- x x x MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- WORK ZONE

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 1A	SHEET 139	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\026001_S1A-13.DWG
LAYOUT NAME - 13_tc-Stg1A-02

PLOT DATE : 7/26/2024 5:18 PM PLOT BY : USER PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

NOTES:

SEE TRAFFIC CONTROL STAGING TYPICAL SECTIONS "STAGE 1B TRAFFIC".

* COMPLETE DOUBLE YELLOW PAINT LINES PRIOR TO STAGE 3 TRAFFIC SWITCH.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.

GRAVEL
GRAVEL
ASPHALT
ASPHALT
1107
1108
1109
1110
1111
1112
1113
1114
9
10
11
18TH STREET
NORTHLAND COLLEGE MAIN ENTR.
16TH STREET
ROAD WORK AHEAD
W20-1A
MAX. 12' WIDTH
W12-52
48"X48"
ROAD WORK 500 FT
W20-1D
SPEED LIMIT 25
WO3-5
GRAVEL
ASPHALT
GRAVEL
CONCRETE
GRAVEL
CONCRETE
ASPHALT
CONCRETE
1114
1115
1116
1117
1118
1119
1120
1121
WO1-4R
WO1-6
48"X24"
WO1-6
48"X24"
TEMPORARY MARKING LINE
REMOVABLE TAPE 6-INCH (YELLOW)
*BEGIN TEMPORARY MARKING LINE
PAINT 6-INCH (DOUBLE YELLOW)
COMPLETED STAGE 1A WIDENING
SPEED LIMIT 25
R2-1
24"X30"
TEMPORARY MARKING LINE
PAINT 6-INCH (WHITE)
R3-2
24"X24"

LEGEND

- TYPE III BARRICADE WITH / WITHOUT SIGN
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DRUM WITH / WITHOUT LIGHT
- 42-INCH CONE
- x x x MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- WORK ZONE

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 1B	SHEET 140	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\026001_S1B-13.DWG
LAYOUT NAME - 13_tc-Stg1B-01

PLOT DATE : 7/31/2024 10:56 AM PLOT BY : USER PLOT NAME : PLOT SCALE : 1 IN:50 FT

NOTES:

SEE TRAFFIC CONTROL STAGING TYPICAL SECTIONS "STAGE 1B TRAFFIC".

* COMPLETE DOUBLE YELLOW PAINT LINES PRIOR TO STAGE 3 TRAFFIC SWITCH.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.

NORTHLAND COLLEGE S. ENTR.

R3-2 24"X24"

WO1-6 48"X24"

* TEMPORARY MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)

ROAD CLOSED

R11-2 48"X30"

TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)

TEMPORARY DELINEATORS AT 15-FT SPACING

R7-1D 18"X24"

COVERING SIGNS TYPE II

R2-1 24"X30"

SPEED LIMIT 25

1122 1123 1124 1125 1126 1127 1128 1129

LEGEND

- TYPE III BARRICADE WITH / WITHOUT SIGN
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DRUM WITH / WITHOUT LIGHT
- 42-INCH CONE
- x x x MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- WORK ZONE

NORTHLAND COLLEGE N. ENTR.

1129 1130 1131 1132 1133 1134 1135 1136

12TH STREET

11TH STREET

* TEMPORARY MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 1B	SHEET 141	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\026001_S1B-13.DWG
LAYOUT NAME - 13_tc-Stg1B-02
PLOT DATE : 7/31/2024 10:56 AM PLOT BY : USER PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

NOTES:

SEE TRAFFIC CONTROL STAGING TYPICAL SECTIONS "STAGE 1B TRAFFIC".

* COMPLETE DOUBLE YELLOW PAINT LINES PRIOR TO STAGE 3 TRAFFIC SWITCH.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.

2

R7-1D 18"X24"

WO1-6 48"X24"

1137 1138 1139 1140 1141 1142 1143 1144

* TEMPORARY MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)

10TH STREET

9TH STREET

LEGEND

- TYPE III BARRICADE WITH / WITHOUT SIGN
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DRUM WITH / WITHOUT LIGHT
- 42-INCH CONE
- x x x MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- WORK ZONE

1144 1145 1146 1147 1148 1149 1150 1151

WO24-1L

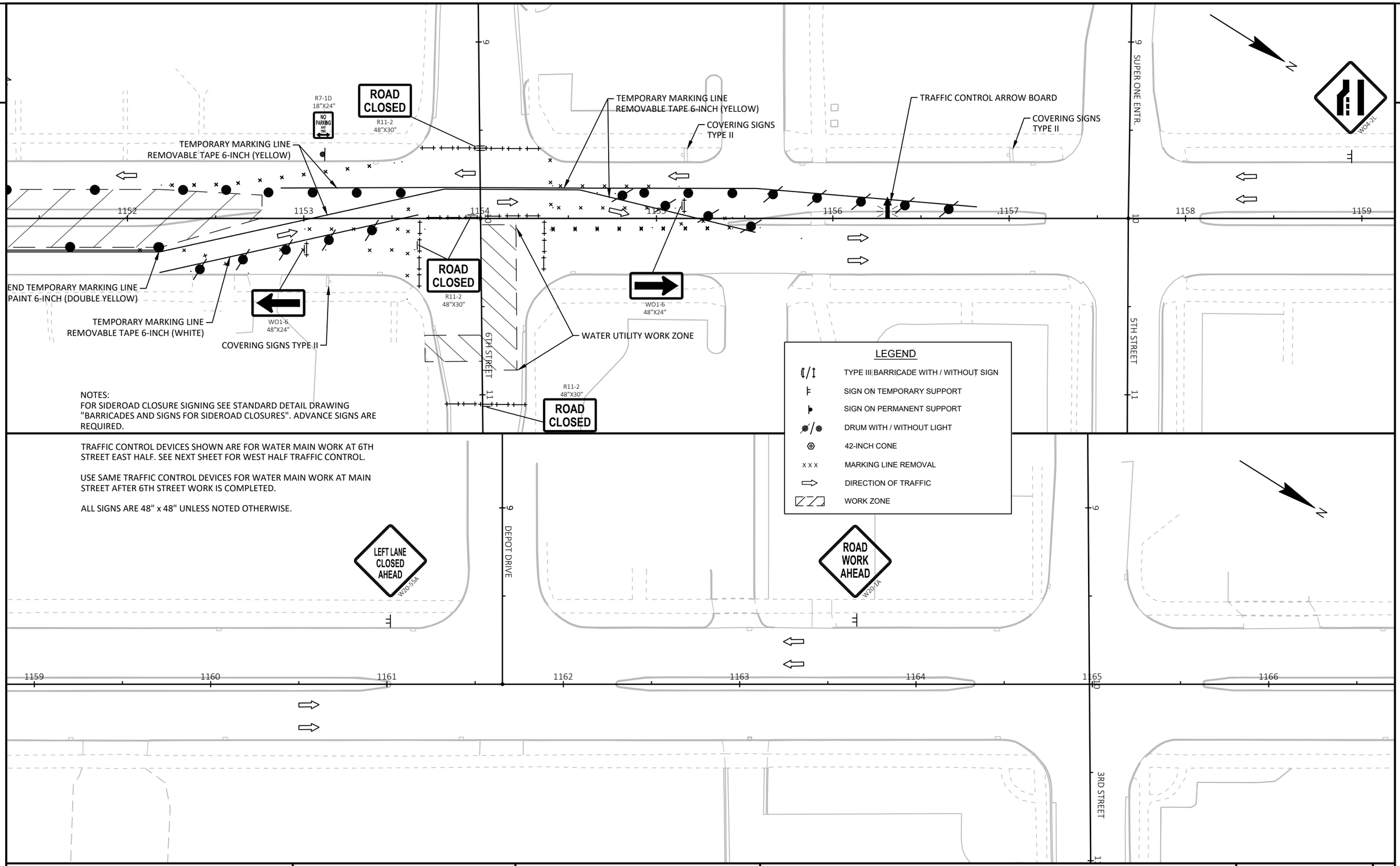
8TH STREET

7TH STREET

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 1B	SHEET 142	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\026001_S1B-13.DWG
LAYOUT NAME - 13_tc-Stg1B-03

PLOT DATE : 7/31/2024 10:56 AM PLOT BY : USER PLOT NAME : PLOT SCALE : 1 IN:50 FT



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 1B	SHEET 143	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\026001_S1B-13.DWG
LAYOUT NAME - 13_tc-Stg1B-04
PLOT DATE : 7/31/2024 10:56 AM
PLOT BY : USER
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

NOTES:
FOR SIDEROAD CLOSURE SIGNING SEE STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES". ADVANCE SIGNS ARE REQUIRED.

TRAFFIC CONTROL DEVICES SHOWN ARE FOR WATER MAIN WORK AT 6TH STREET WEST HALF. SEE PREVIOUS SHEET FOR EAST HALF TRAFFIC CONTROL.

USE SAME TRAFFIC CONTROL DEVICES FOR WATER MAIN WORK AT MAIN STREET AFTER 6TH STREET WORK IS COMPLETED.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.

ROAD CLOSED
R11-2
48"X30"

R7-1D
18"X24"
NO PARKING ANY TIME

WATER UTILITY WORK ZONE

ROAD CLOSED
R11-2
48"X30"

WO1-6
48"X24"

TEMPORARY MARKING LINE
REMOVABLE TAPE 6-INCH (WHITE)

WO1-6
48"X24"

TEMPORARY MARKING LINE
REMOVABLE TAPE 6-INCH (YELLOW)

END TEMPORARY MARKING LINE
PAINT 6-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE
REMOVABLE TAPE 6-INCH (YELLOW)

ROAD CLOSED
R11-2
48"X30"

6TH STREET

SUPER ONE ENTR.

WO24-1L

5TH STREET

LEGEND

- TYPE III BARRICADE WITH / WITHOUT SIGN
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DRUM WITH / WITHOUT LIGHT
- 42-INCH CONE
- x x x MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- WORK ZONE

TRAFFIC CONTROL ARROW BOARD

TEMPORARY MARKING LINE
REMOVABLE TAPE 6-INCH (WHITE)

DEPOT DRIVE

WO4-2R

RIGHT LANE CLOSED AHEAD
W20-5A

ROAD WORK AHEAD
W20-1A

3RD STREET

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 1B	SHEET 144	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\026001_S1B-13.DWG
LAYOUT NAME - 13_tc-Stg1B-05
PLOT DATE : 7/31/2024 10:56 AM PLOT BY : USER PLOT NAME : PLOT SCALE : 1 IN:50 FT

STAGE 2: 6TH ST TO USH 2

STAGE 2A WORK

REPLACE PAVEMENT ON SOUTHBOUND STH 13 (WEST SIDE) FROM 6TH STREET SOUTHWEST QUADRANT TO USH 2.

INSTALL WATER MAIN AND SERVICE LINES FROM 3RD STREET TO USH 2.

REPLACE CONCRETE PAVEMENT INCLUDING ADJACENT INTERSECTIONS, CURB AND GUTTER, DRIVEWAYS, AND SIDEWALK REQUIRED FOR CURB RAMPS.

REPLACE CONCRETE BASES FOR SIGNAL STANDARD POLE AND TROMBONE ARM POLE.

PAVE 4-INCH TEMPORARY ASPHALT ADJACENT TO CURED CONCRETE AT 5-FOOT WIDTH FROM APPROXIMATE STATION 1154+45 - 1170+45 FOR STAGE 2B TRAFFIC.

STAGE 2B WORK

REPLACE PAVEMENT ON NORTHBOUND STH 13 (EAST SIDE) FROM 6TH STREET SOUTHEAST QUADRANT TO USH 2.

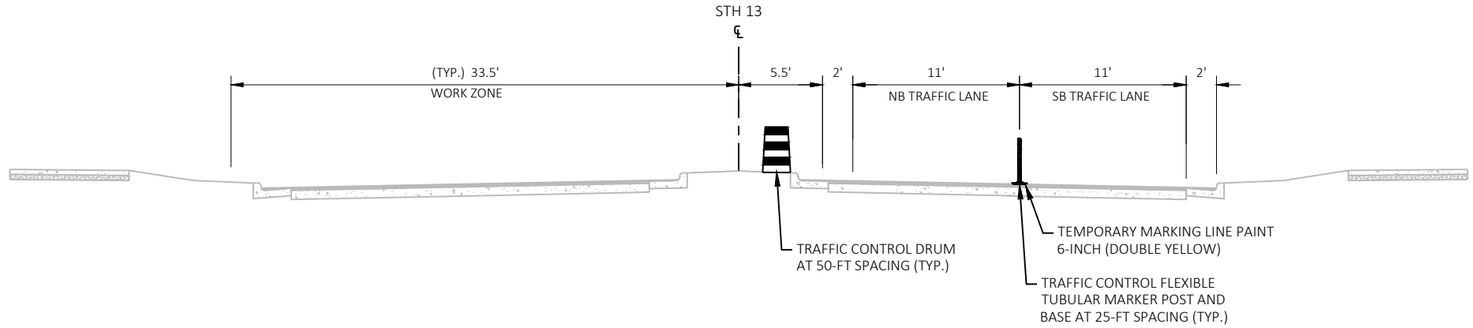
REPLACE CONCRETE PAVEMENT INCLUDING ADJACENT INTERSECTIONS, CURB AND GUTTER, DRIVEWAYS, AND SIDEWALK REQUIRED FOR CURB RAMPS ON THE EAST SIDE FROM 6TH STREET SOUTHEAST QUADRANT TO USH 2.

REPLACE CONCRETE BASES FOR SIGNAL STANDARD POLE AND DECORATIVE LIGHT POLE.

STAGE 2C WORK

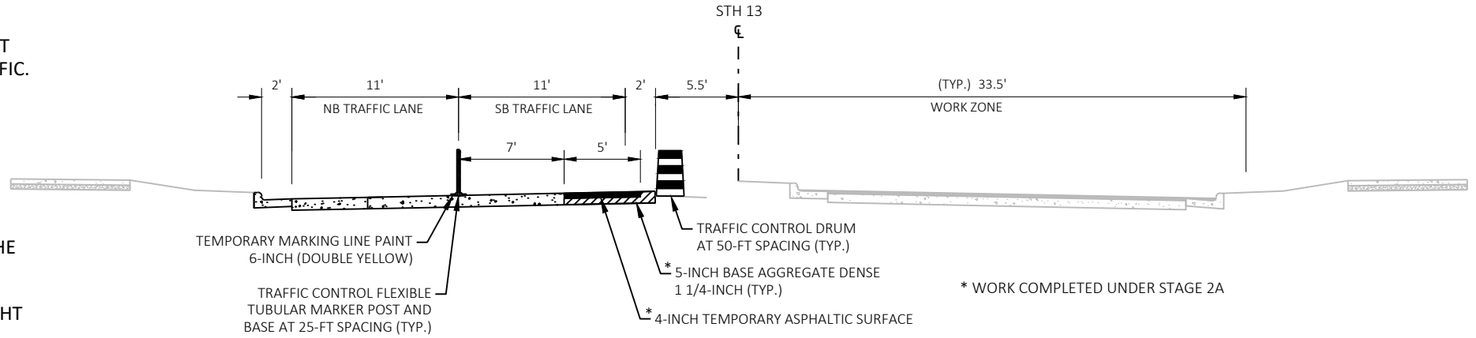
REMOVE TEMPORARY ASPHALT FROM MEDIAN AREA USED FOR STAGE 2B TRAFFIC.

CONSTRUCT MEDIAN-SIDE CONCRETE PAVEMENT, CURB AND GUTTER, AND TRUCK APRONS. COMPLETE LANDSCAPING ITEMS, PERMANENT SIGNING, AND PAVEMENT MARKING LINES.



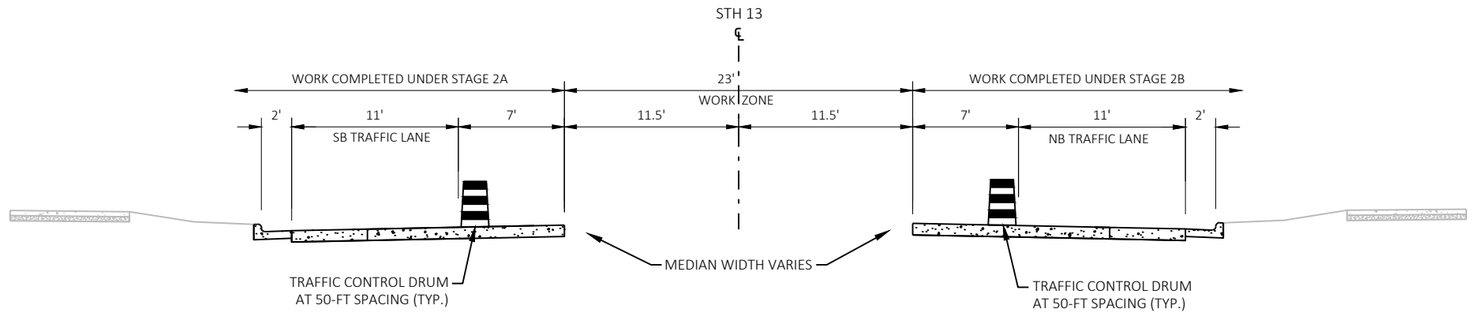
TYPICAL SECTION - STAGE 2A TRAFFIC

STA 1154+45 - STA 1171+98



TYPICAL SECTION - STAGE 2B TRAFFIC

STA 1154+45 - STA 1171+98



TYPICAL SECTION - STAGE 2C TRAFFIC

STA 1154+45 - STA 1171+98

NOTES:
3RD STREET AND MAIN STREET ROAD CLOSURES ARE REQUIRED TO COMPLETE WATER UTILITY WORK. SEE STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR RELATED SIGNING AND DEVICES.

6TH STREET WEST AND SUPER ONE ENTRANCE (OPPOSITE 5TH STREET) WILL BE CONSTRUCTED HALF AT A TIME TO ALLOW RESTRICTED TWO-WAY TRAFFIC.

TEMPORARY SIGNING FOR PEDESTRIANS IS SHOWN. ADDITIONAL DEVICES ARE REQUIRED ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" SHEET K. WORK ZONE CONDITIONS CHANGE AS WORK PROGRESSES SO DEVICE LOCATIONS WILL BE ADJUSTED IN THE FIELD AND APPROVED BY THE ENGINEER.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7-FOOT CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.

LEGEND

- TYPE III BARRICADE WITH / WITHOUT SIGN
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DRUM WITH / WITHOUT LIGHT
- FLEXIBLE TUBULAR MARKER & BASE
- x x x MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- WORK ZONE

TEMPORARY PEDESTRIAN BARRICADE (TYP.)

R9-9 24"X12" SIDEWALK CLOSED

R11-2 48"X30" ROAD CLOSED

R1-1 30"X30" STOP

R1-3P 18"X6" ALL WAY

SEE STAGE 3 FOR ADDITIONAL TRAFFIC CONTROL DETAILS

W03-1

7TH STREET

6TH STREET

PLACE R9-9A SIGNS NEAR 2ND AVE ON ONE SIDE OF 6TH STREET AT A TIME

R9-9A 30"X18" SIDEWALK CLOSED AHEAD

M4-9BL 30"X24" DETOUR

KEEP TRI-COUNTY TRAIL OPEN UNTIL SOUTH 6TH STREET CROSSWALK IS RE-OPENED

* MOVE SIGNING TO 6TH ST WHEN SOUTH CURB RAMPS ARE COMPLETE THERE

M4-9BR 30"X24"

WO11-2 48"X48"

WO16-7L 48"X24"

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD (TYP.)

TEMPORARY PEDESTRIAN SURFACE MATTING

BEGIN FLEXIBLE TUBULAR MARKERS AND BASES (TYP.)

TEMPORARY PEDESTRIAN CURB RAMP (TYP.)

TEMPORARY MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)

WO6-3

SUPER ONE ENTR.

5TH STREET

1151 1152 1153 1154 1155 1156 1157 1158

PLACE R9-9A SIGNS NEAR 2ND AVE ON EACH SIDE OF 3RD STREET

DEPOT DRIVE

3RD STREET

R4-1 24"X30" DO NOT PASS

R3-1 24"X24"

R3-2 24"X24"

FLEXIBLE TUBULAR MARKERS AND BASES (TYP.)

TEMPORARY MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)

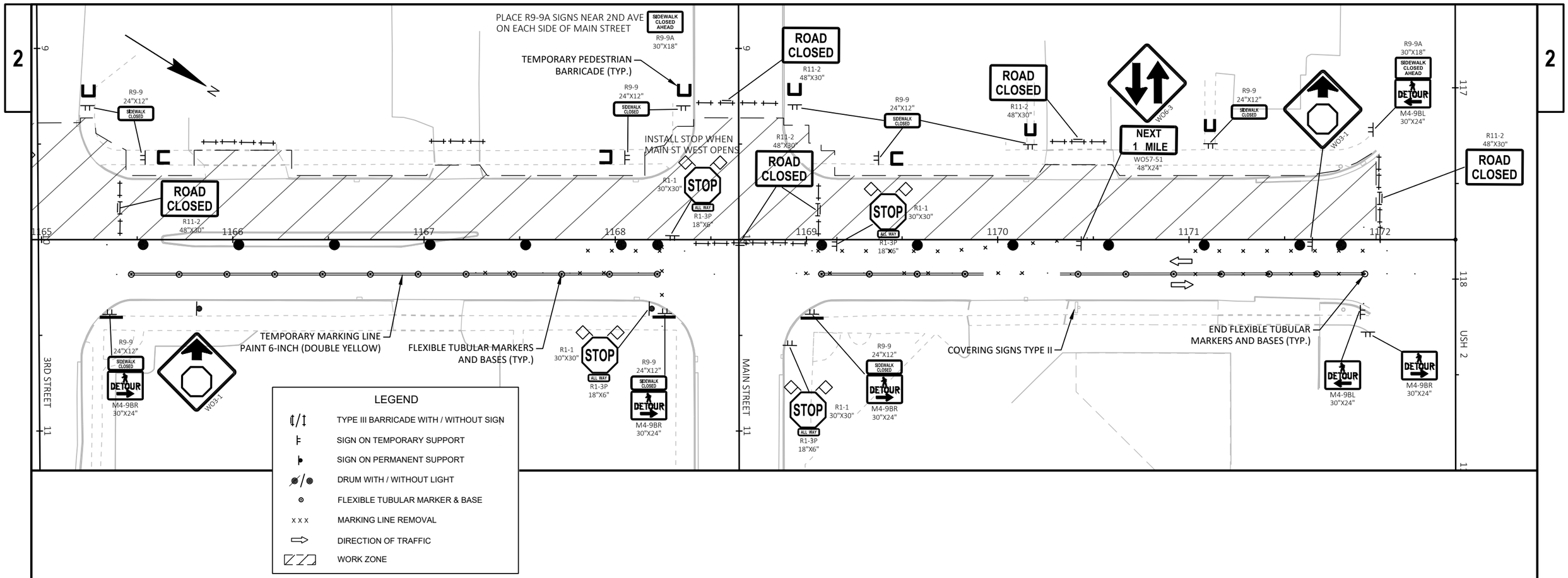
1158 1159 1160 1161 1162 1163 1164 1165

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 2A	SHEET 146 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\026101_S2A-13.DWG
LAYOUT NAME - 13_tc-Stg2A-01-PedAcc

PLOT DATE : 7/27/2024 1:45 PM PLOT BY : USER PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44



NOTES:
MAIN STREET ROAD CLOSURES ARE REQUIRED TO COMPLETE WATER UTILITY WORK. SEE STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR RELATED SIGNING AND DEVICES.

3RD STREET WILL BE CONSTRUCTED HALF AT A TIME TO ALLOW RESTRICTED TWO-WAY TRAFFIC AFTER WATER MAIN UTILITY WORK IS COMPLETE AT THIS INTERSECTION.

TEMPORARY SIGNING FOR PEDESTRIANS IS SHOWN. ADDITIONAL DEVICES ARE REQUIRED ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" SHEET K. WORK ZONE CONDITIONS CHANGE AS WORK PROGRESSES SO DEVICE LOCATIONS WILL BE ADJUSTED IN THE FIELD AND APPROVED BY THE ENGINEER.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7-FOOT CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.

NOTES:
6TH STREET EAST AND 5TH STREET WILL BE CONSTRUCTED HALF AT AT TIME TO ALLOW RESTRICTED TWO-WAY TRAFFIC.

TEMPORARY SIGNING FOR PEDESTRIANS IS SHOWN. ADDITIONAL DEVICES ARE REQUIRED ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" SHEET K. WORK ZONE CONDITIONS CHANGE AS WORK PROGRESSES SO DEVICE LOCATIONS WILL BE ADJUSTED IN THE FIELD AND APPROVED BY THE ENGINEER.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7-FOOT CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.

* STAGE 3 INTERSECTION CROSSOVER SHOWN TO BE REMOVED FOR STAGE 4 TRAFFIC.

TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)

TEMPORARY PEDESTRIAN BARRICADE (TYP.)

BEGIN TEMPORARY MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)

BEGIN FLEXIBLE TUBULAR MARKERS AND BASES

TEMPORARY PEDESTRIAN CURB RAMP (TYP.)

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD (TYP.)

TEMPORARY PEDESTRIAN SURFACE MATTING

KEEP TRI-COUNTY TRAIL OPEN UNTIL NORTH 6TH STREET CROSSWALK IS RE-OPENED

MOVE SIGNING TO 6TH ST WHEN NORTH CURB RAMPS ARE COMPLETE THERE

PLACE R9-9A SIGNS NEAR 2ND AVE ON EACH SIDE OF 6TH STREET

PLACE R9-9A SIGNS NEAR 2ND AVE ON EACH SIDE OF 3RD STREET

TEMPORARY MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)

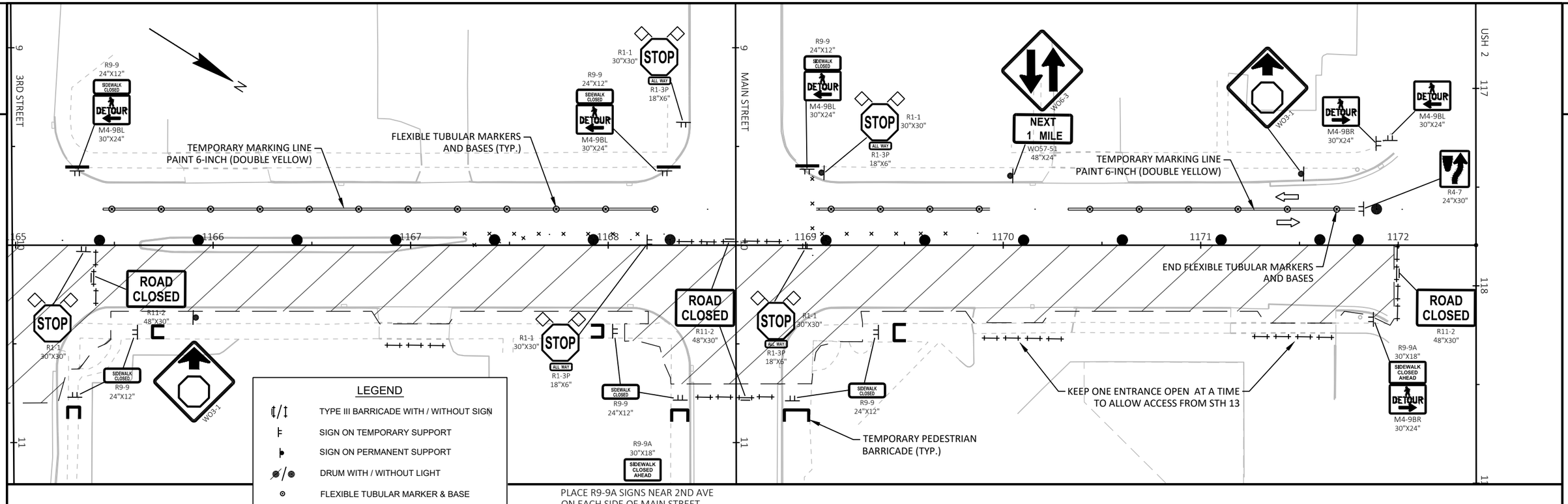
FLEXIBLE TUBULAR MARKERS AND BASES (TYP.)

LEGEND

- TYPE III BARRICADE WITH / WITHOUT SIGN
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DRUM WITH / WITHOUT LIGHT
- FLEXIBLE TUBULAR MARKER & BASE
- x x x MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- WORK ZONE

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 2B	SHEET 148 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\026201_S2B-13.DWG
LAYOUT NAME - 13_tc-Stg2B-PedAcc01
PLOT DATE : 7/27/2024 2:46 PM PLOT BY : USER PLOT NAME : PLOT SCALE : 1 IN:50 FT



LEGEND

- TYPE III BARRICADE WITH / WITHOUT SIGN
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DRUM WITH / WITHOUT LIGHT
- FLEXIBLE TUBULAR MARKER & BASE
- x x x MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- WORK ZONE

PLACE R9-9A SIGNS NEAR 2ND AVE ON EACH SIDE OF MAIN STREET

NOTES:
3RD STREET EAST SIDE PAVING WILL BE CONSTRUCTED HALF AT A TIME TO ALLOW RESTRICTED TWO-WAY TRAFFIC.

TEMPORARY SIGNING FOR PEDESTRIANS IS SHOWN. ADDITIONAL DEVICES ARE REQUIRED ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" SHEET K. WORK ZONE CONDITIONS CHANGE AS WORK PROGRESSES SO DEVICE LOCATIONS WILL BE ADJUSTED IN THE FIELD AND APPROVED BY THE ENGINEER.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7-FOOT CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.

NOTES:

SEE TRAFFIC CONTROL STAGING TYPICAL SECTION "STAGE 2C TRAFFIC".

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7-FOOT CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.

SEE STAGE 4 OR STAGE 5 FOR ADDITIONAL TRAFFIC CONTROL DETAILS

R1-1 30"X30" STOP ALL WAY R1-3P 18"X6"

WO1-6 48"X24"

BEGIN LEFT TURN LANE R3-20L 24"X36"

6TH STREET

SUPER ONE ENTR.

5TH STREET

DEPOT DRIVE

3RD STREET

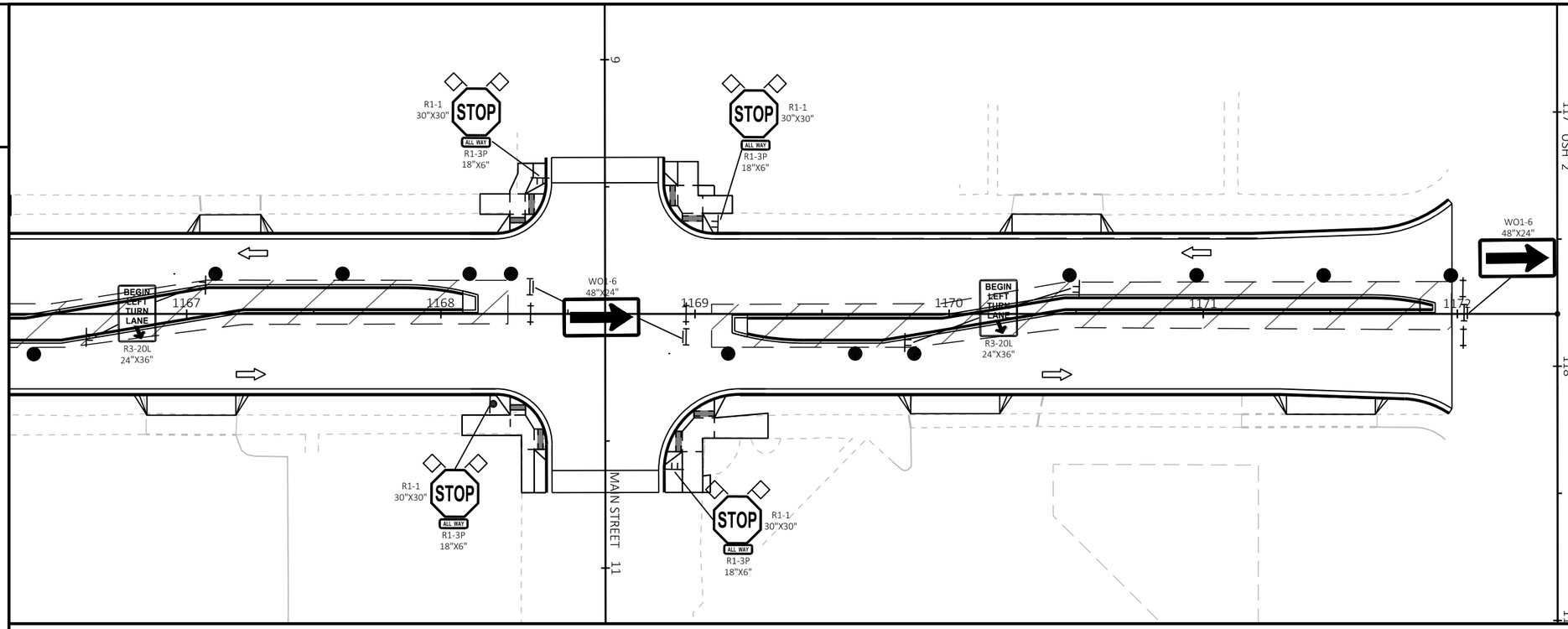
LEGEND

- TYPE III BARRICADE WITH / WITHOUT SIGN
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DRUM WITH / WITHOUT LIGHT
- 42-INCH CONE
- x x x MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- WORK ZONE

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 2C	SHEET 150 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\026301_S2C-13.DWG
LAYOUT NAME - 13_tc-Stg2c-01

PLOT DATE : 7/26/2024 5:19 PM PLOT BY : USER PLOT NAME : PLOT SCALE : 1 IN:50 FT



LEGEND

	TYPE III BARRICADE WITH / WITHOUT SIGN
	SIGN ON TEMPORARY SUPPORT
	SIGN ON PERMANENT SUPPORT
	DRUM WITH / WITHOUT LIGHT
	42-INCH CONE
x x x	MARKING LINE REMOVAL
	DIRECTION OF TRAFFIC
	WORK ZONE

NOTES:

SEE TRAFFIC CONTROL STAGING TYPICAL SECTION "STAGE 2C TRAFFIC".

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7-FOOT CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.

2

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 2C	SHEET 151	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\026301_S2C-13.DWG
LAYOUT NAME - 13_tc-Stg2c-02
PLOT DATE : 7/26/2024 5:19 PM
PLOT BY : USER
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

STAGE 3: 16TH ST TO 6TH ST (WEST SIDE WORK)

STAGE 3 WORK

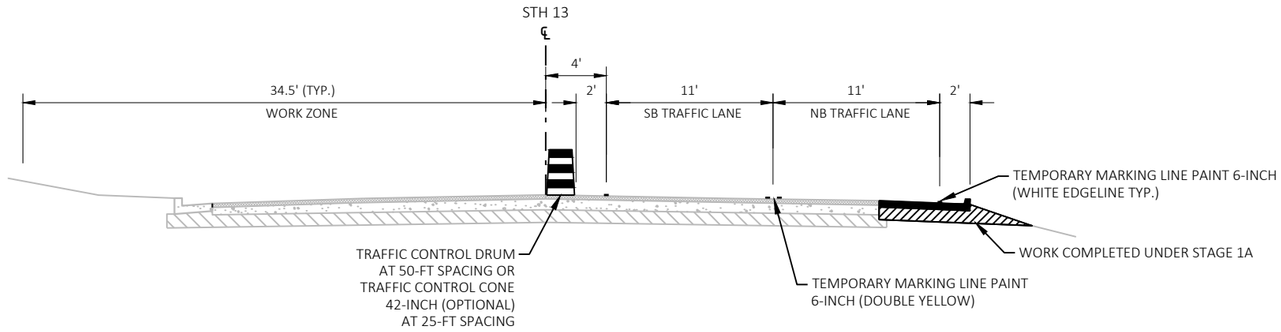
RECONSTRUCT SOUTHBOUND STH 13 AND ADJACENT INTERSECTIONS FROM 16TH STREET TO 6TH STREET.

INSTALL WATER MAIN, HYDRANTS, AND SERVICE LINES FROM 11TH STREET TO 6TH STREET.

INSTALL STORM SEWER PIPE AND STRUCTURES FROM 16TH STREET TO 11TH STREET AND FROM 10TH STREET TO 6TH STREET.

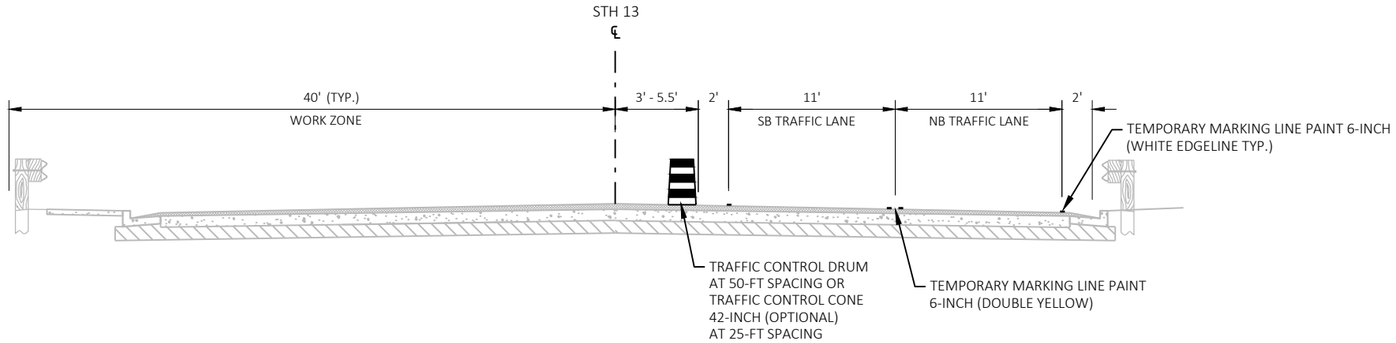
CONSTRUCT PIPE UNDERDRAIN, SUBBASE, BASE AGGREGATE, CONCRETE PAVEMENT, CURB AND GUTTER, DRIVEWAYS, SIDEWALK, CURB RAMPS, AND GUARDRAIL AS SHOWN ON PLANS.

CONSTRUCT 11-INCH BASE AGGREGATE AND PAVE 4-INCH TEMPORARY ASPHALT AT 7 FEET WIDE IN MEDIAN AREA FROM STATION 1118+72 - 1128+50, AND TAPERING TO 3 FEET AT STATION 1129+00. SEE STAGE 4 TYPICAL SECTION.



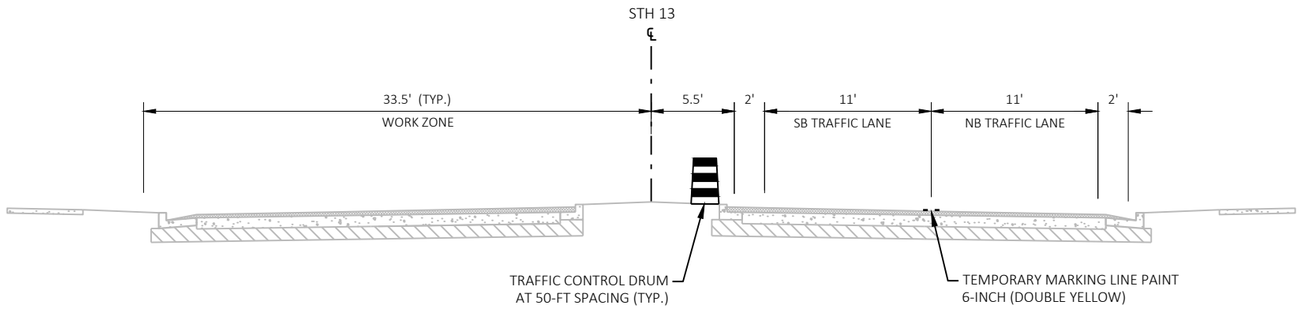
TYPICAL SECTION - STAGE 3 TRAFFIC

STA 1117+80 - STA 1126+40



TYPICAL SECTION - STAGE 3 TRAFFIC

STA 1126+40 - STA 1128+20



TYPICAL SECTION - STAGE 3 TRAFFIC

STA 1128+20 - STA 1153+50

NOTES:
SEE TRAFFIC CONTROL STAGING TYPICAL SECTIONS "STAGE 3 TRAFFIC". SEE STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR RELATED SIGNING AND DEVICES.

* TC SIGNING AND DEVICES FOR COLLEGE ENTRANCE ROAD CLOSURE WILL BE NECESSARY TO COMPLETE STORM SEWER WORK. REMOVE THESE DEVICES WHEN SUBSURFACE WORK AND A FINISHED GRAVEL SURFACE IS COMPLETE.

TEMPORARY SIGNING FOR PEDESTRIANS IS SHOWN. ADDITIONAL DEVICES ARE REQUIRED ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" SHEET K. WORK ZONE CONDITIONS CHANGE AS WORK PROGRESSES SO DEVICE LOCATIONS WILL BE ADJUSTED IN THE FIELD AND APPROVED BY THE ENGINEER.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7-FOOT CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.

2

2

LEGEND

- TYPE III BARRICADE WITH / WITHOUT SIGN
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DRUM WITH / WITHOUT LIGHT
- 42-INCH CONE
- x x x MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- WORK ZONE

GRAVEL
ASPHALT
CONCRETE
18TH STREET
NORTHLAND COLLEGE MAIN ENTR.
16TH STREET
1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121

ROAD WORK AHEAD W20-1A

MAX. 12' WIDTH W12-52 48"X48"

ROAD WORK 500 FT W20-1D

SPEED LIMIT 25 W03-5

R1-1 30"X30" STOP

R11-2 48"X30" ROAD CLOSED

W01-4R

TEMPORARY MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)

BEGIN TEMPORARY MARKING LINE PAINT 6-INCH

SPEED LIMIT 25 R2-1 24"X30"

R3-2 24"X24"

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 3	SHEET 153	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\026400_S3-13.DWG
LAYOUT NAME - 13_tc-Stg3-01

PLOT DATE : 7/29/2024 1:17 PM PLOT BY : USER PLOT NAME : PLOT SCALE : 1 IN:50 FT

NOTES:
SEE TRAFFIC CONTROL STAGING TYPICAL SECTIONS "STAGE 3 TRAFFIC". SEE STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR RELATED SIGNING AND DEVICES.

TEMPORARY SIGNING FOR PEDESTRIANS IS SHOWN. ADDITIONAL DEVICES ARE REQUIRED ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" SHEET K. WORK ZONE CONDITIONS CHANGE AS WORK PROGRESSES SO DEVICE LOCATIONS WILL BE ADJUSTED IN THE FIELD AND APPROVED BY THE ENGINEER.

KEEP 11TH STREET NORTH CROSSING OPEN WHILE ASHLAND MIDDLE SCHOOL IS IN SESSION. MAINTAIN EXISTING SCHOOL/PEDESTRIAN WARNING SIGNS AT THIS INTERSECTION ONLY.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7-FOOT CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.

LEGEND

- TYPE III BARRICADE WITH / WITHOUT SIGN
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DRUM WITH / WITHOUT LIGHT
- 42-INCH CONE
- x x x MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- WORK ZONE

NORTHLAND COLLEGE S. ENTR.
TEMPORARY PEDESTRIAN BARRICADE (TYP.)
TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
TEMPORARY MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)
END TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
NORTHLAND COLLEGE N. ENTR.
12TH STREET
11TH STREET
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD (TYP.)
TEMPORARY PEDESTRIAN CURB RAMP (TYP.)
TEMPORARY PEDESTRIAN SURFACE MATTING
END TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)
TEMPORARY MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 3	SHEET 154 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\026400_S3-13.DWG
LAYOUT NAME - 13_tc-Stg3-02
PLOT DATE : 7/29/2024 1:17 PM PLOT BY : USER PLOT NAME : PLOT SCALE : 1 IN:50 FT

NOTES:
SEE TRAFFIC CONTROL STAGING TYPICAL SECTIONS "STAGE 3 TRAFFIC". SEE STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR RELATED SIGNING AND DEVICES.

TEMPORARY SIGNING FOR PEDESTRIANS IS SHOWN. ADDITIONAL DEVICES ARE REQUIRED ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" SHEET K. WORK ZONE CONDITIONS CHANGE AS WORK PROGRESSES SO DEVICE LOCATIONS WILL BE ADJUSTED IN THE FIELD AND APPROVED BY THE ENGINEER.

KEEP 8TH STREET SOUTH CROSSING OPEN AS AN ALTERNATE PEDESTRIAN DETOUR CROSSING TO THE 11TH STREET NORTH DETOUR CROSSING.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7-FOOT CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.

PLACE R9-9A SIGN NEAR 2ND AVE ON NORTH SIDE OF 9TH STREET
SIDEWALK CLOSED AHEAD
R9-9A 30"X18"

TEMPORARY PEDESTRIAN BARRICADE (TYP.)

TEMPORARY MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)

PLACE R9-9A SIGNS NEAR 2ND AVE ON EACH SIDE OF 8TH STREET WHEN SIDEWALK IS CLOSED FOR CURB RAMP CONSTRUCTION

PLACE R9-9A SIGNS NEAR 2ND AVE ON EACH SIDE OF 7TH STREET

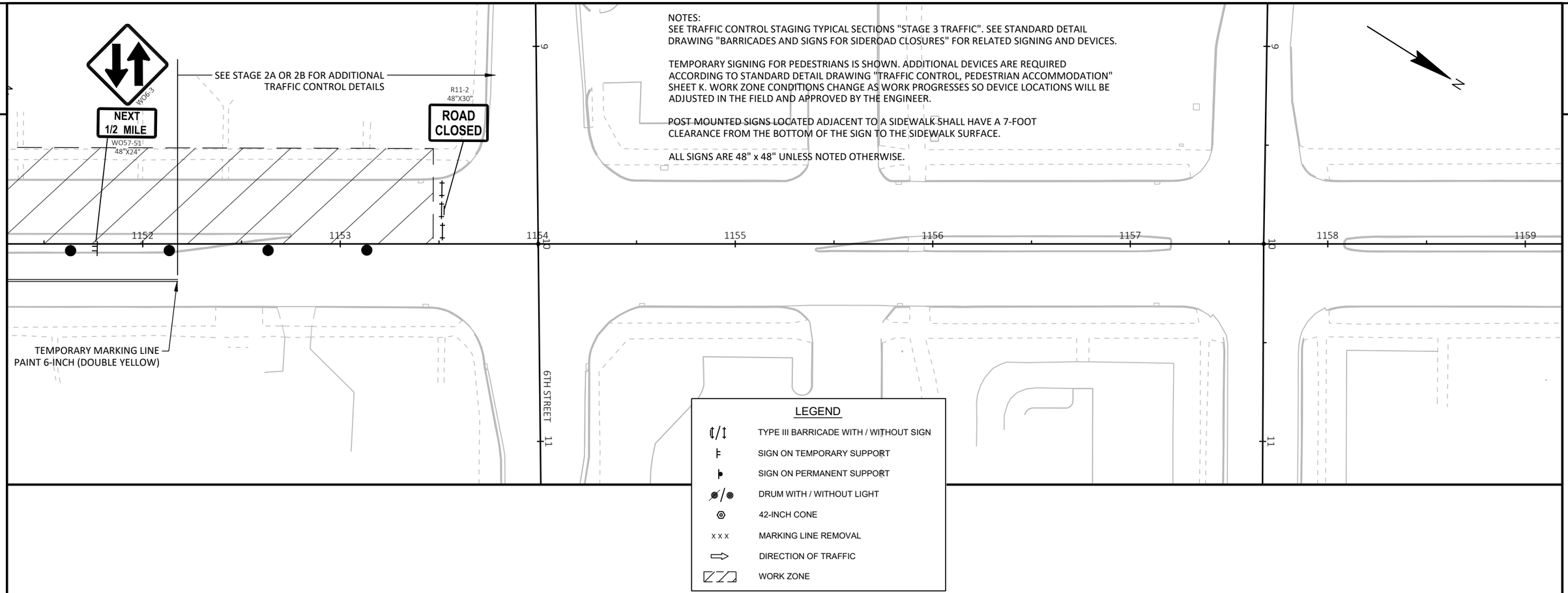
KEEP SIDEWALKS AND CROSSING OPEN WHEN 11TH ST IS UNDER CONSTRUCTION

LEGEND

- TYPE III BARRICADE WITH / WITHOUT SIGN
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DRUM WITH / WITHOUT LIGHT
- 42-INCH CONE
- x x x MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- WORK ZONE

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 3	SHEET 155 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\026400_S3-13.DWG
LAYOUT NAME - 13_tc-Stg3-03
PLOT DATE : 7/29/2024 1:17 PM PLOT BY : USER PLOT NAME : PLOT SCALE : 1 IN:50 FT



NOTES:
SEE TRAFFIC CONTROL STAGING TYPICAL SECTIONS "STAGE 3 TRAFFIC". SEE STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR RELATED SIGNING AND DEVICES.

TEMPORARY SIGNING FOR PEDESTRIANS IS SHOWN. ADDITIONAL DEVICES ARE REQUIRED ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" SHEET K. WORK ZONE CONDITIONS CHANGE AS WORK PROGRESSES SO DEVICE LOCATIONS WILL BE ADJUSTED IN THE FIELD AND APPROVED BY THE ENGINEER.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7-FOOT CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.

LEGEND

- TYPE III BARRICADE WITH / WITHOUT SIGN
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DRUM WITH / WITHOUT LIGHT
- 42-INCH CONE
- x x x MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- WORK ZONE

2

STAGE 4: 16TH ST TO 6TH ST (EAST SIDE WORK)

STAGE 4 WORK

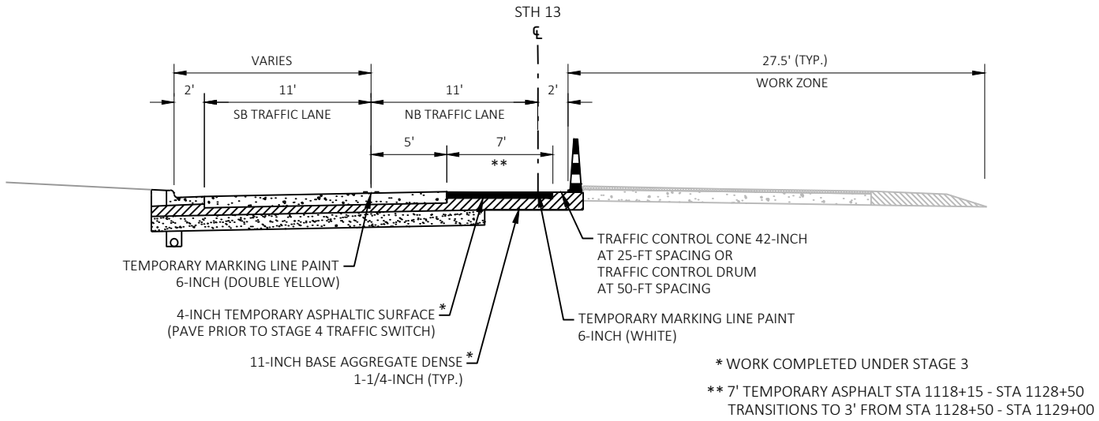
RECONSTRUCT NORTHBOUND STH 13 AND ADJACENT INTERSECTIONS FROM 16TH STREET TO 6TH STREET.

INSTALL WATER MAIN LATERALS, HYDRANTS, AND SERVICE LINES FROM 11TH STREET TO 6TH STREET.

REMOVE TEMPORARY ASPHALT ALONG RIGHT SHOULDER USED FOR STAGE 1B AND STAGE 3 TRAFFIC.

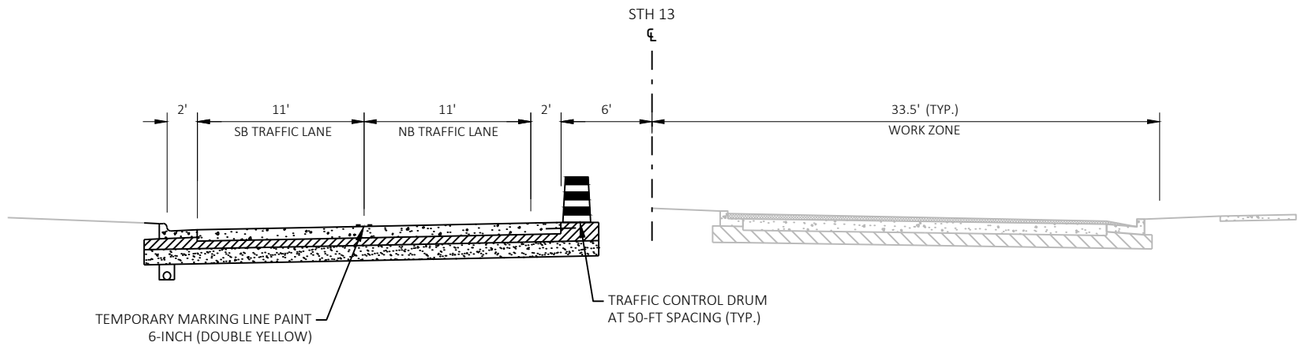
INSTALL STORM SEWER PIPE AND STRUCTURES FROM 16TH STREET TO 11TH STREET AND FROM 10TH STREET TO 6TH STREET.

CONSTRUCT PIPE UNDERDRAIN, SUBBASE, BASE AGGREGATE, CONCRETE PAVEMENT, CURB AND GUTTER, DRIVEWAYS, SIDEWALK, CURB RAMPS, AND GUARDRAIL AS SHOWN ON PLANS.



TYPICAL SECTION - STAGE 4 TRAFFIC

STA 1117+77 - STA 1129+60



TYPICAL SECTION - STAGE 4 TRAFFIC

STA 1129+60 - STA 1153+50

2

NOTES:
SEE TRAFFIC CONTROL STAGING TYPICAL SECTIONS "STAGE 4 TRAFFIC". SEE STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR RELATED SIGNING AND DEVICES.

16TH STREET WILL BE CONSTRUCTED HALF AT A TIME TO ALLOW RESTRICTED TWO-WAY TRAFFIC.

TEMPORARY SIGNING FOR PEDESTRIANS IS SHOWN. ADDITIONAL DEVICES ARE REQUIRED ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" SHEET K. WORK ZONE CONDITIONS CHANGE AS WORK PROGRESSES SO DEVICE LOCATIONS WILL BE ADJUSTED IN THE FIELD AND APPROVED BY THE ENGINEER.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7-FOOT CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.

LEGEND

- TYPE III BARRICADE WITH / WITHOUT SIGN
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DRUM WITH / WITHOUT LIGHT
- 42-INCH CONE
- x x x MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- WORK ZONE

GRAVEL
ASPHALT
CONCRETE
18TH STREET
NORTHLAND COLLEGE MAIN ENTR.
16TH STREET

1107 1108 1109 1110 1111 1112 1113 1114
1114 1115 1116 1117 1118 1119 1120 1121

ROAD WORK AHEAD W20-1A

MAX. 12' WIDTH W12-52 48"X48"

SPEED LIMIT 25 W03-5

W01-4L

TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH (WHITE)

BEGIN TEMPORARY MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)

BEGIN TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)

STOP R1-1 30"X30"

ROAD CLOSED R11-2 48"X30"

SPEED LIMIT 25 R2-1 24"X30"

TRAFFIC CONTROL CONES 42-INCH (OPTIONAL - SEE STAGE 4 TC STAGING TYPICALS)

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 4	SHEET 158	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\026501_S4-13.DWG
LAYOUT NAME - 13_tc-Stg4-01
PLOT DATE : 7/29/2024 1:10 PM PLOT BY : USER PLOT NAME : PLOT SCALE : 1 IN:50 FT

NOTES:
SEE TRAFFIC CONTROL STAGING TYPICAL SECTIONS "STAGE 4 TRAFFIC". SEE STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR RELATED SIGNING AND DEVICES.

TEMPORARY SIGNING FOR PEDESTRIANS IS SHOWN. ADDITIONAL DEVICES ARE REQUIRED ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" SHEET K. WORK ZONE CONDITIONS CHANGE AS WORK PROGRESSES SO DEVICE LOCATIONS WILL BE ADJUSTED IN THE FIELD AND APPROVED BY THE ENGINEER.

KEEP 11TH STREET NORTH CROSSWALK OPEN WHILE ASHLAND MIDDLE SCHOOL IS IN SESSION. MAINTAIN OR ADD SCHOOL/PEDESTRIAN WARNING SIGNS AT THIS INTERSECTION ONLY.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7-FOOT CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.

2

NORTHLAND COLLEGE S. ENTR.

R3-2 24"X24"

TEMPORARY MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)

R9-9 24"X12" SIDEWALK CLOSED

R2-1 24"X30" SPEED LIMIT 25

1122 1123 1124 1125 1126 1127 1128 1129

TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)

TEMPORARY PEDESTRIAN BARRICADE (TYP.)

TRAFFIC CONTROL CONES 42-INCH (OPTIONAL - SEE STAGE 4 TC STAGING TYPICALS)

W06-3

NEXT 1/2 MILE

WO57-51 48"X24"

LEGEND

- TYPE III BARRICADE WITH / WITHOUT SIGN
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DRUM WITH / WITHOUT LIGHT
- 42-INCH CONE
- x x x MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- WORK ZONE

NORTHLAND COLLEGE N. ENTR.

12TH STREET

11TH STREET

R7-1D 18"X24" NO PARKING ANY TIME

END TEMPORARY MARKING LINE PAINT 6-INCH (WHITE)

TEMPORARY MARKING LINE PAINT 6-INCH (DOUBLE YELLOW)

1129 1130 1131 1132 1133 1134 1135 1136

WO1-7 48"X24"

ROAD CLOSED R11-2 48"X30"

STOP R1-1 30"X30"

TEMPORARY PEDESTRIAN SURFACE MATTING

TEMPORARY PEDESTRIAN CURB RAMP (TYP.)

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD (TYP.)

DETOUR M4-9BR 30"X24"

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 4	SHEET 159	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\026501_S4-13.DWG
LAYOUT NAME - 13_tc-Stg4-02

PLOT DATE : 7/29/2024 1:10 PM PLOT BY : USER PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

NOTES:
SEE TRAFFIC CONTROL STAGING TYPICAL SECTIONS "STAGE 4 TRAFFIC". SEE STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR RELATED SIGNING AND DEVICES.

TEMPORARY SIGNING FOR PEDESTRIANS IS SHOWN. ADDITIONAL DEVICES ARE REQUIRED ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" SHEET K. WORK ZONE CONDITIONS CHANGE AS WORK PROGRESSES SO DEVICE LOCATIONS WILL BE ADJUSTED IN THE FIELD AND APPROVED BY THE ENGINEER.

KEEP 8TH STREET SOUTH CROSSWALK OPEN AS AN ALTERNATE PEDESTRIAN DETOUR CROSSING TO THE 11TH STREET NORTH DETOUR CROSSING.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7-FOOT CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.

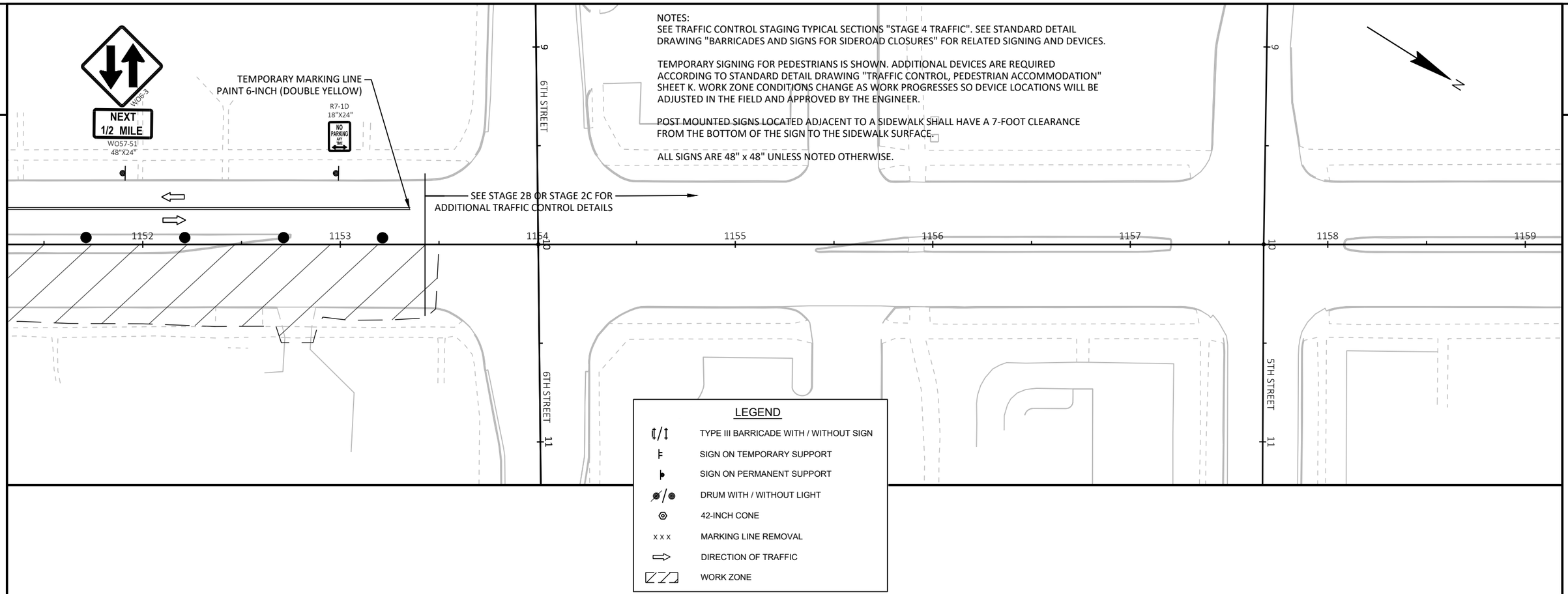
R7-1D 18"X24" NO PARKING ANY TIME
R9-9 24"X12" SIDEWALK CLOSED
10TH STREET
TEMPORARY PEDESTRIAN BARRICADE (TYP.)
9TH STREET
R4-1 24"X30" DO NOT PASS
R1-1 30"X30" STOP
R11-2 48"X30" ROAD CLOSED
R9-9A 30"X18" SIDEWALK CLOSED AHEAD
PLACE R9-9A SIGNS NEAR 2ND AVE ON EACH SIDE OF 10TH STREET
PLACE R9-9A SIGN NEAR 2ND AVE ON NORTH SIDE OF 9TH STREET

LEGEND
- TYPE III BARRICADE WITH / WITHOUT SIGN
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DRUM WITH / WITHOUT LIGHT
- 42-INCH CONE
- MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- WORK ZONE

M4-9BL 30"X24" DETOUR
M4-9BR 30"X24" DETOUR
KEEP SIDEWALKS AND CROSSING OPEN WHEN 11TH ST IS UNDER CONSTRUCTION
8TH STREET
7TH STREET
PLACE R9-9A SIGN NEAR 2ND AVE ON EACH SIDE OF 8TH STREET WHEN SIDEWALK IS CLOSED FOR CURB RAMP CONSTRUCTION
PLACE R9-9A SIGNS NEAR 2ND AVE ON EACH SIDE OF 7TH STREET

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 4	SHEET 160	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\026501_S4-13.DWG
LAYOUT NAME - 13_tc-Stg4-03
PLOT DATE : 7/29/2024 1:10 PM PLOT BY : USER PLOT NAME : PLOT SCALE : 1 IN:50 FT



NOTES:
SEE TRAFFIC CONTROL STAGING TYPICAL SECTIONS "STAGE 4 TRAFFIC". SEE STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR RELATED SIGNING AND DEVICES.

TEMPORARY SIGNING FOR PEDESTRIANS IS SHOWN. ADDITIONAL DEVICES ARE REQUIRED ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" SHEET K. WORK ZONE CONDITIONS CHANGE AS WORK PROGRESSES SO DEVICE LOCATIONS WILL BE ADJUSTED IN THE FIELD AND APPROVED BY THE ENGINEER.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7-FOOT CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.

LEGEND

- TYPE III BARRICADE WITH / WITHOUT SIGN
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DRUM WITH / WITHOUT LIGHT
- 42-INCH CONE
- x x x MARKING LINE REMOVAL
- DIRECTION OF TRAFFIC
- WORK ZONE

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 4	SHEET 161	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\026501_S4-13.DWG
LAYOUT NAME - 13_tc-Stg4-04
PLOT DATE : 7/29/2024 1:10 PM PLOT BY : USER PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

STAGE 5: 16TH ST TO 6TH ST (MEDIAN)

STAGE 5 WORK

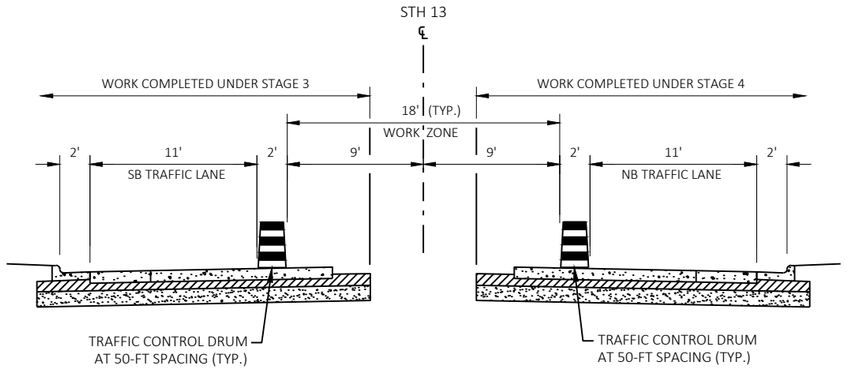
CONSTRUCT OR RECONSTRUCT MEDIANS FROM 16TH STREET TO 6TH STREET.

REMOVE TEMPORARY ASPHALT FROM MEDIAN AREA USED FOR STAGE 4 TRAFFIC.

CONSTRUCT MEDIAN CURB AND GUTTER, LIGHT POLE BASES, AND INSTALL CONDUIT & ELECTRICAL WIRING FROM 16TH STREET TO 12TH STREET.

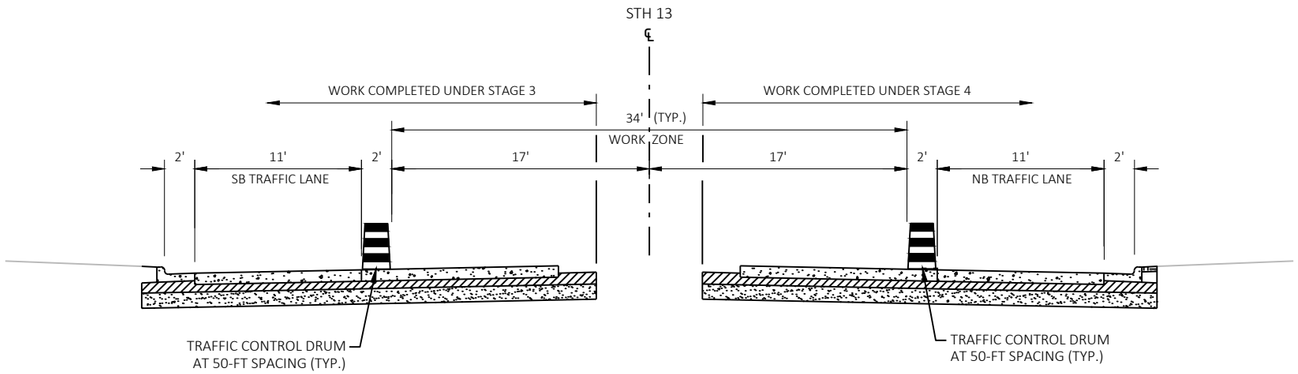
CONSTRUCT MEDIAN CURB AND GUTTER, INSTALL CONDUIT & ELECTRICAL WIRING, AND REINSTALL DECORATIVE LIGHT POLES FROM 12TH STREET TO 6TH STREET.

COMPLETE LANDSCAPING ITEMS, PERMANENT SIGNING, AND PAVEMENT MARKING LINES.



TYPICAL SECTION - STAGE 5 TRAFFIC

STA 1117+80 - STA 1128+45 LT
STA 1117+80 - STA 1130+70 RT



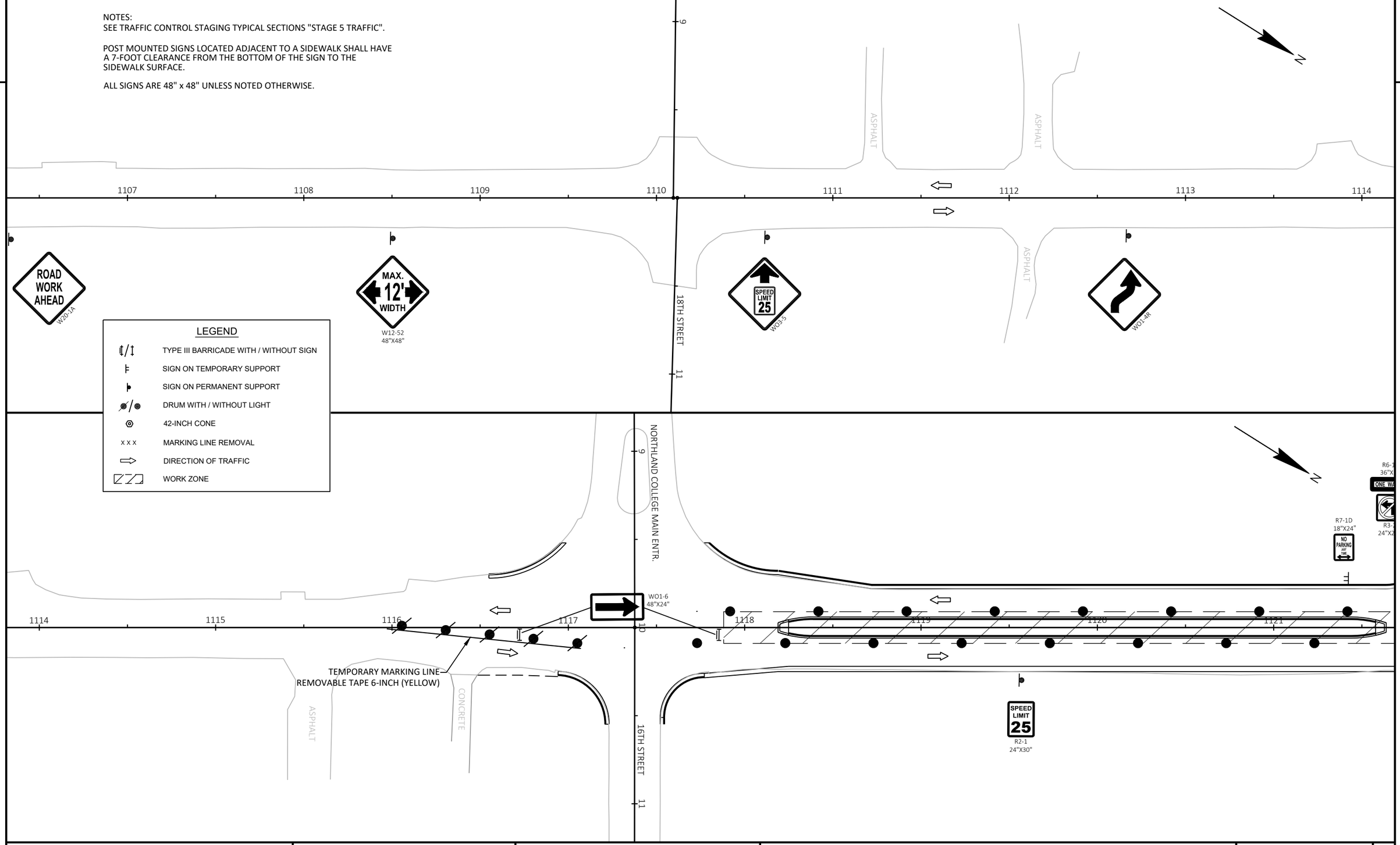
TYPICAL SECTION - STAGE 5 TRAFFIC

STA 1128+45 - STA 1152+75 LT
STA 1130+70 - STA 1152+75 RT

NOTES:
SEE TRAFFIC CONTROL STAGING TYPICAL SECTIONS "STAGE 5 TRAFFIC".

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7-FOOT CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 5	SHEET 163 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\026601_S5-13.DWG
LAYOUT NAME - 13_tc-Stg5-01

PLOT DATE : 7/29/2024 1:55 PM PLOT BY : USER PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

NOTES:
SEE TRAFFIC CONTROL STAGING TYPICAL SECTIONS "STAGE 5 TRAFFIC".

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7-FOOT CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.

NORTHLAND COLLEGE S. ENTR.

R6-1R
36"X12"
ONE WAY

R3-2
24"X24"

R7-1D
18"X24"
NO PARKING ANY TIME

R2-1
24"X30"
SPEED LIMIT 25

WO1-6
48"X24"

R7-1D
18"X24"
NO PARKING ANY TIME

1122 1123 1124 1125 1126 1127 1128 1129

ONE WAY
R6-2R
24"X30"

R7-1D
18"X24"
NO PARKING ANY TIME

R7-1D
18"X24"
NO PARKING ANY TIME

R3-2
24"X24"

LEGEND

	TYPE III BARRICADE WITH / WITHOUT SIGN
	SIGN ON TEMPORARY SUPPORT
	SIGN ON PERMANENT SUPPORT
	DRUM WITH / WITHOUT LIGHT
	42-INCH CONE
x x x	MARKING LINE REMOVAL
	DIRECTION OF TRAFFIC
	WORK ZONE

NORTHLAND COLLEGE N. ENTR.

R7-1D
18"X24"
NO PARKING ANY TIME

1129 1130 1131 1132 1133 1134 1135 1136

R7-1D
18"X24"
NO PARKING ANY TIME

R7-1D
18"X24"
NO PARKING ANY TIME

12TH STREET

11TH STREET

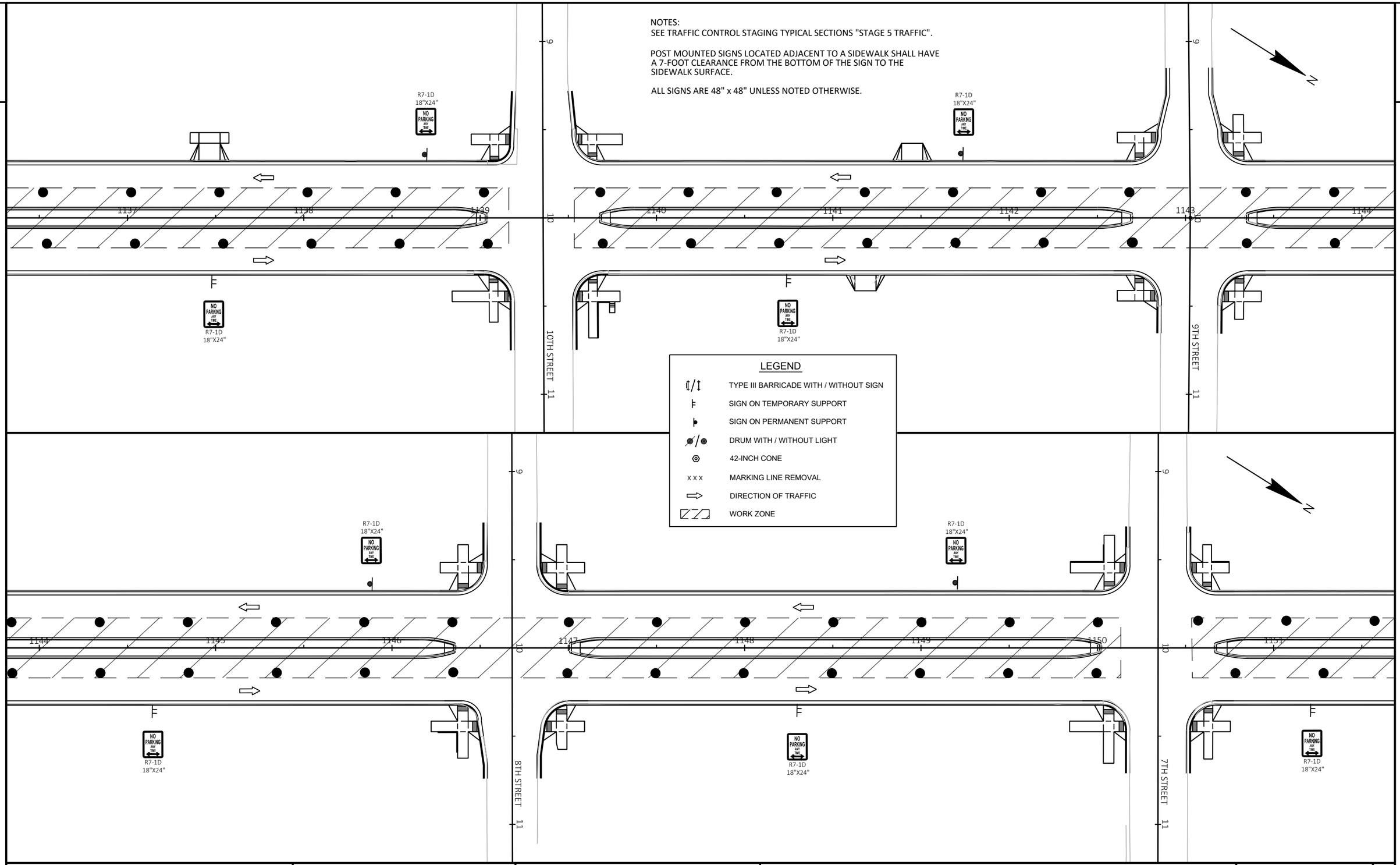
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 5	SHEET 164 E

2

NOTES:
SEE TRAFFIC CONTROL STAGING TYPICAL SECTIONS "STAGE 5 TRAFFIC".

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7-FOOT CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.



LEGEND

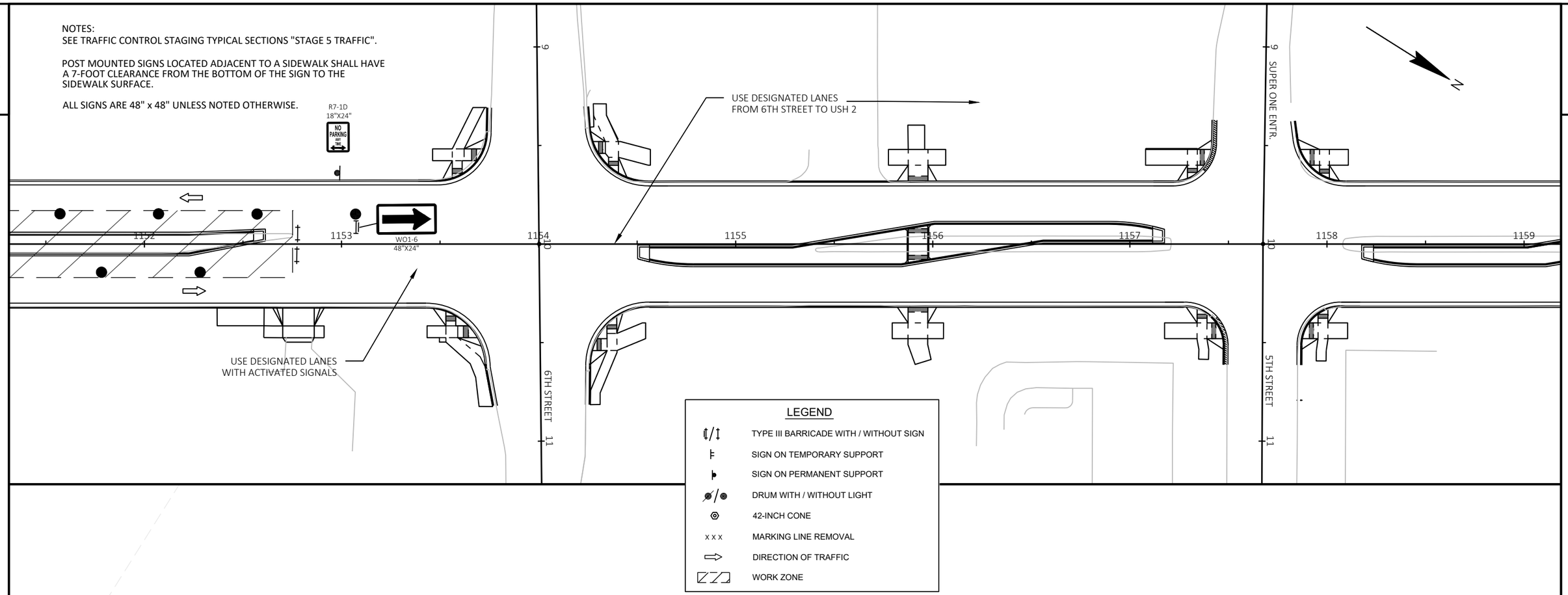
	TYPE III BARRICADE WITH / WITHOUT SIGN
	SIGN ON TEMPORARY SUPPORT
	SIGN ON PERMANENT SUPPORT
	DRUM WITH / WITHOUT LIGHT
	42-INCH CONE
x x x	MARKING LINE REMOVAL
	DIRECTION OF TRAFFIC
	WORK ZONE

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	TRAFFIC CONTROL - STAGE 5	SHEET 165	E

NOTES:
SEE TRAFFIC CONTROL STAGING TYPICAL SECTIONS "STAGE 5 TRAFFIC".

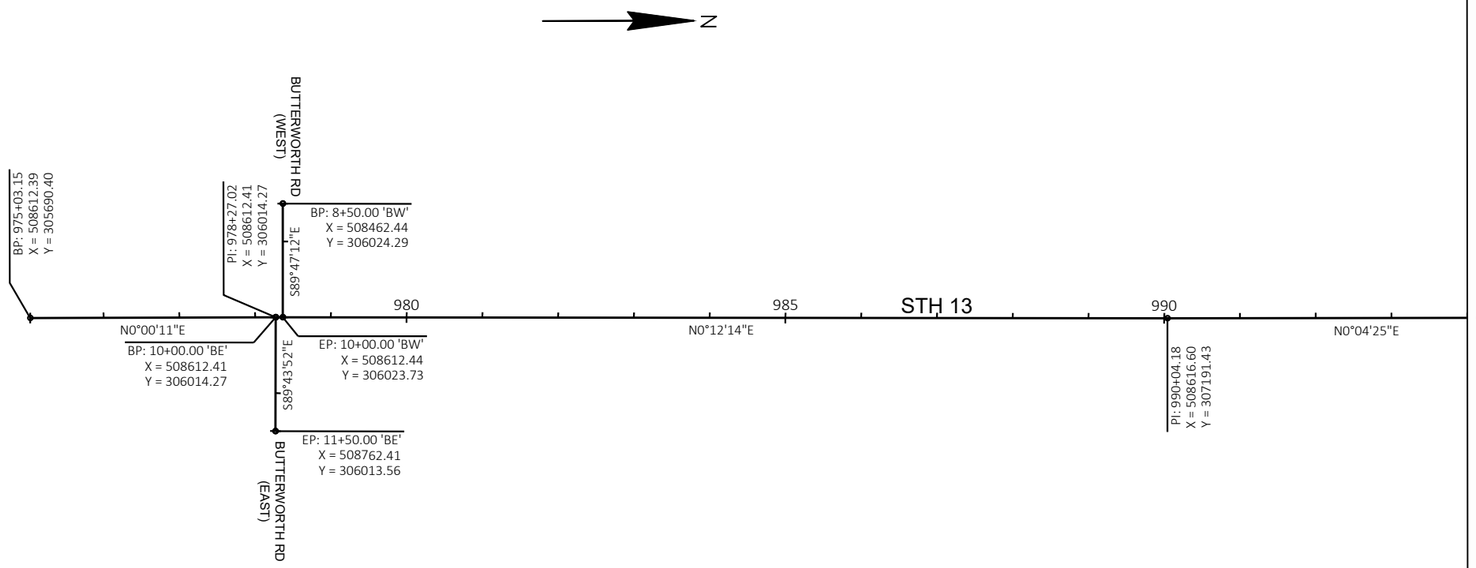
POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7-FOOT CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

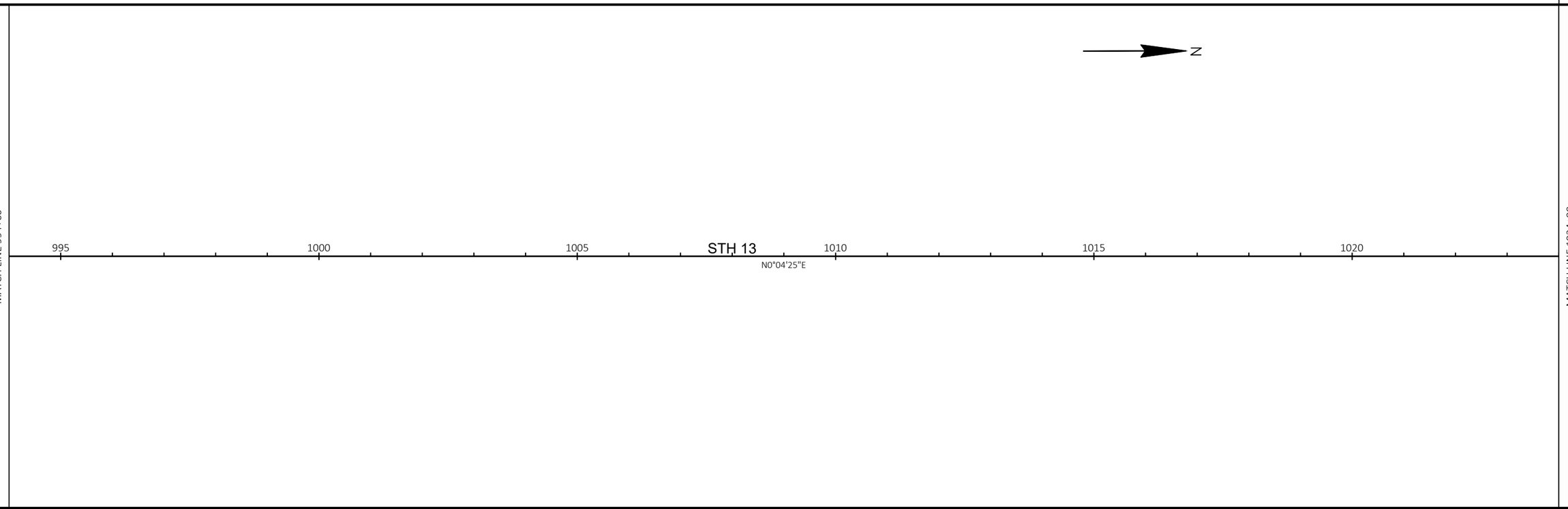
ALL SIGNS ARE 48" x 48" UNLESS NOTED OTHERWISE.



LEGEND

⇕/↕	TYPE III BARRICADE WITH / WITHOUT SIGN
⊢	SIGN ON TEMPORARY SUPPORT
⊢	SIGN ON PERMANENT SUPPORT
⊘/●	DRUM WITH / WITHOUT LIGHT
◎	42-INCH CONE
x x x	MARKING LINE REMOVAL
⇨	DIRECTION OF TRAFFIC
◪	WORK ZONE





PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	ALIGNMENT DETAILS	SHEET 167	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\027201_AD-13.DWG
LAYOUT NAME - 13_ad-01

PLOT DATE : 5/17/2024 8:51 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

PI STA = 1033+09.32
Y = 311496.561
X = 508622.126
DELTA = 32°15'24" LT
D = 2°00'58"
T = 821.76'
L = 1599.88'
R = 2841.79'
PC STA = 1024+87.56
Y = 310674.800
X = 508621.070
PT STA = 1040+87.44
Y = 312192.061
X = 508184.434
DB = N00°04'25"E
DA = N32°10'59"W

N

MATCH LINE 1024+00

PC: 1024+87.56
X = 508621.07
Y = 310674.80

N0°04'25"E

1025

1030

BP: 10+00.00 'OL'
X = 508556.50
Y = 311280.81

N89°48'38"E

OLD AIRPORT RD

EP: 11+50.00 'OL'
X = 508706.50
Y = 311281.30

1035

STH 13

1040

PT: 1040+87.44
X = 508184.43
Y = 312192.06

N58°03'42"E

BP: 10+00.00 'SA'
X = 508158.52
Y = 312233.23

PC: 10+33.19 'SA'
X = 508186.69
Y = 312250.79

1045

N32°10'59"W

1050

MATCH LINE 1054+00

PI STA = 10+86.13 'SA'
Y = 312278.798
X = 508231.616
DELTA = 31°56'18" RT
D = 30°58'14"
T = 52.94'
L = 103.12'
R = 185.00'
PC STA = 10+33.19 'SA'
PT STA = 11+36.32 'SA'
DB = N58°03'42"E
DA = N90°00'00"E

N90°00'00"E

PT: 11+36.32 'SA'
X = 508284.56
Y = 312278.80

SAWMILL RD

EP: 12+99.93 'SA'
X = 508448.17
Y = 312278.80

PI STA = 8+87.73 'BI'
Y = 314025.463
X = 506897.851
DELTA = 8°04'57" LT
D = 11°18'37"
T = 35.79'
L = 71.46'
R = 506.58'
PC STA = 8+51.94 'BI'
PT STA = 9+23.41 'BI'
DB = N65°53'58"E
DA = N57°49'01"E

BINSFIELD RD

BP: 8+51.94 'BI'
X = 506865.18
Y = 314010.85

PT: 9+23.41 'BI'
X = 506928.14
Y = 314044.53

N57°49'01"E

EP: 10+00.00 'BI'
X = 506992.97
Y = 314085.32

MATCH LINE 1054+00

1055

1060

1065

STH 13

1070

N32°10'59"W

1075

1080

MATCH LINE 1084+00

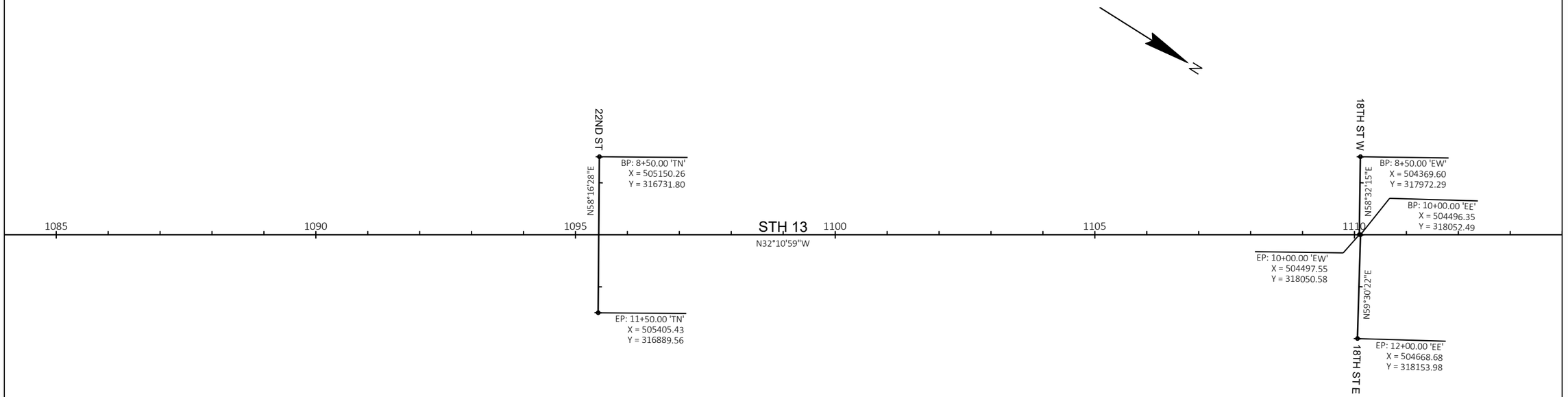
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	ALIGNMENT DETAILS	SHEET 168	E

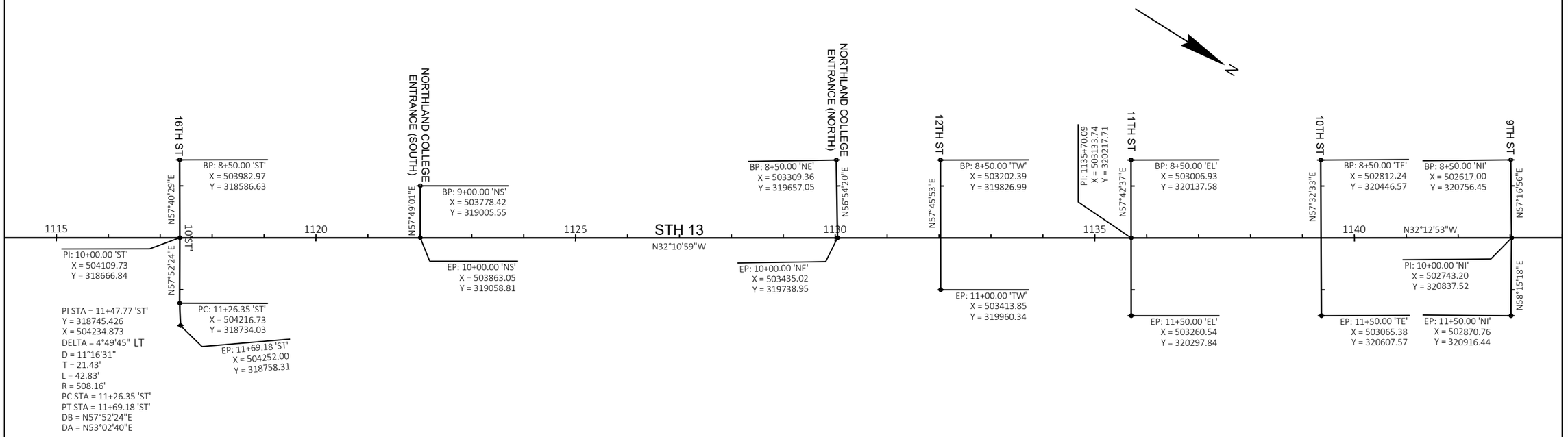
FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\027201_AD-13.DWG
LAYOUT NAME - 13_ad-02
PLOT DATE : 5/17/2024 8:51 AM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

2

MATCH LINE 1084+00

MATCH LINE 1114+00



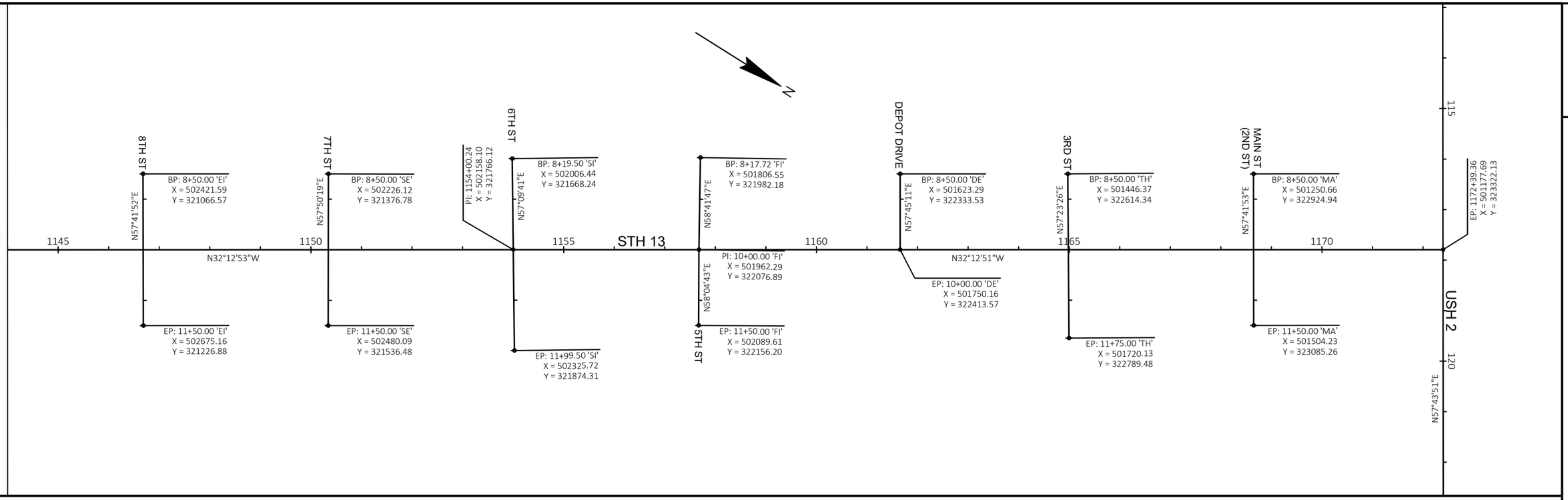


MATCH LINE 1114+00

MATCH LINE 1144+00

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	ALIGNMENT DETAILS	SHEET 169	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\027201_AD-13.DWG
LAYOUT NAME - 13_ad-03
PLOT DATE : 5/17/2024 8:51 AM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44



2

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	ALIGNMENT DETAILS	SHEET 170	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\027201_AD-13.DWG
LAYOUT NAME - 13_ad-04
PLOT DATE : 5/17/2024 8:51 AM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 44

Estimate Of Quantities

Line	Item	Item Description	Unit	Total	1610-00-77 Qty	1610-00-80 Qty
0002	201.0105	Clearing	STA	5.000	5.000	
0004	201.0205	Grubbing	STA	5.000	5.000	
0006	203.0100	Removing Small Pipe Culverts	EACH	3.000	3.000	
0008	204.0100	Removing Concrete Pavement	SY	38,600.000	38,600.000	
0010	204.0110	Removing Asphaltic Surface	SY	6,353.000	6,353.000	
0012	204.0115	Removing Asphaltic Surface Butt Joints	SY	39.000	39.000	
0014	204.0120	Removing Asphaltic Surface Milling	SY	54,810.000	54,810.000	
0016	204.0150	Removing Curb & Gutter	LF	2,134.000	2,134.000	
0018	204.0155	Removing Concrete Sidewalk	SY	2,545.000	2,105.000	440.000
0020	204.0165	Removing Guardrail	LF	564.000	564.000	
0022	204.0195	Removing Concrete Bases	EACH	4.000	4.000	
0024	204.0210	Removing Manholes	EACH	8.000	8.000	
0026	204.0220	Removing Inlets	EACH	24.000	24.000	
0028	204.0245	Removing Storm Sewer (size) 01. 6-Inch	LF	29.000	29.000	
0030	204.0245	Removing Storm Sewer (size) 02. 12-Inch	LF	1,659.000	1,659.000	
0032	204.0245	Removing Storm Sewer (size) 03. 15-Inch	LF	51.000	51.000	
0034	204.0245	Removing Storm Sewer (size) 04. 18-Inch	LF	71.000	71.000	
0036	204.0245	Removing Storm Sewer (size) 05. 24-Inch	LF	255.000	255.000	
0038	204.0280	Sealing Pipes	EACH	3.000	3.000	
0040	204.0291.S	Abandoning Sewer	CY	38.000	38.000	
0042	205.0100	Excavation Common	CY	28,551.000	28,551.000	
0044	208.0100	Borrow	CY	713.000	713.000	
0046	208.1500.S	Temporary Lane Shift During Culvert Work	EACH	3.000	3.000	
0048	209.1100	Backfill Granular Grade 1	CY	375.000	325.000	50.000
0050	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 1610-00-77	EACH	1.000	1.000	
0052	211.0201	Prepare Foundation for Concrete Pavement (project) 01. 1610-00-77	EACH	1.000	1.000	
0054	213.0100	Finishing Roadway (project) 01. 1610-00-77	EACH	1.000	1.000	
0056	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,395.000	1,395.000	
0058	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	12,224.000	12,224.000	
0060	305.0500	Shaping Shoulders	STA	281.000	281.000	
0062	310.0110	Base Aggregate Open-Graded	TON	1,606.000	1,606.000	
0064	350.0145	Subbase 12-Inch	SY	29,026.000	29,026.000	
0066	405.0100	Coloring Concrete WisDOT Red	CY	76.600	76.600	
0068	415.0090	Concrete Pavement 9-Inch	SY	30,216.000	30,216.000	
0070	415.0210	Concrete Pavement Gaps	EACH	10.000	10.000	
0072	415.1090	Concrete Pavement HES 9-Inch	SY	1,324.000	1,324.000	
0074	415.2010	Concrete Truck Apron 12-inch	SY	229.000	229.000	
0076	415.4100	Concrete Pavement Joint Filling	SY	37,052.000	37,052.000	
0078	416.0610	Drilled Tie Bars	EACH	30.000	30.000	
0080	455.0605	Tack Coat	GAL	6,160.000	6,160.000	
0082	460.2000	Incentive Density HMA Pavement	DOL	6,230.000	6,230.000	
0084	460.6645	HMA Pavement 5 MT 58-34 V	TON	9,731.000	9,731.000	
0086	460.9000.S	Material Transfer Vehicle 01. 1610-00-77	EACH	1.000	1.000	
0088	465.0105	Asphaltic Surface	TON	1,075.000	1,075.000	
0090	465.0110	Asphaltic Surface Patching	TON	823.000	823.000	
0092	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	137.000	137.000	
0094	465.0125	Asphaltic Surface Temporary	TON	620.000	620.000	
0096	465.0310	Asphaltic Curb	LF	385.000	385.000	
0098	465.0315	Asphaltic Flumes	SY	8.000	8.000	

Line	Item	Item Description	Unit	Total	1610-00-77 Qty	1610-00-80 Qty
0100	465.0520	Asphaltic Rumble Strips, Shoulder	LF	20,259.000	20,259.000	
0102	465.0560	Asphaltic Rumble Strips, Centerline	LF	9,986.000	9,986.000	
0104	513.2001	Railing Pipe	LF	10.300	10.300	
0106	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	1.000	1.000	
0108	520.1030	Apron Endwalls for Culvert Pipe 30-Inch	EACH	2.000	2.000	
0110	520.8000	Concrete Collars for Pipe	EACH	7.000	7.000	
0112	522.0130	Culvert Pipe Reinforced Concrete Class III 30-Inch	LF	122.000	122.000	
0114	522.0136	Culvert Pipe Reinforced Concrete Class III 36-Inch	LF	132.000	132.000	
0116	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	1.000	1.000	
0118	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	4.000	4.000	
0120	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	4.000	4.000	
0122	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	8,328.000	8,328.000	
0124	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	10,004.000	10,004.000	
0126	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	1,078.000	1,078.000	
0128	601.0600	Concrete Curb Pedestrian	LF	212.000	212.000	
0130	602.0405	Concrete Sidewalk 4-Inch	SF	25,859.000	21,909.000	3,950.000
0132	602.0415	Concrete Sidewalk 6-Inch	SF	1,069.000	1,069.000	
0134	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	1,241.000	1,241.000	
0136	602.0810	Concrete Driveway 6-Inch	SY	968.000	968.000	
0138	602.0860	Concrete Driveway HES 6-Inch	SY	100.000	100.000	
0140	602.1500	Concrete Steps	SF	169.000	169.000	
0142	606.0200	Riprap Medium	CY	49.000	49.000	
0144	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	869.000	869.000	
0146	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	303.000	303.000	
0148	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	208.000	208.000	
0150	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	475.000	475.000	
0152	608.0436	Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	LF	728.000	728.000	
0154	608.2424	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	LF	76.000	76.000	
0156	608.2429	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	LF	334.000	334.000	
0158	608.3012	Storm Sewer Pipe Class III-A 12-Inch	LF	518.000	518.000	
0160	608.3015	Storm Sewer Pipe Class III-A 15-Inch	LF	137.000	137.000	
0162	608.3018	Storm Sewer Pipe Class III-A 18-Inch	LF	37.000	37.000	
0164	608.3024	Storm Sewer Pipe Class III-A 24-Inch	LF	844.000	844.000	
0166	608.3030	Storm Sewer Pipe Class III-A 30-Inch	LF	552.000	552.000	
0168	611.0420	Reconstructing Manholes	EACH	6.000	6.000	
0170	611.0430	Reconstructing Inlets	EACH	2.000	2.000	
0172	611.0530	Manhole Covers Type J	EACH	25.000	25.000	
0174	611.0624	Inlet Covers Type H	EACH	43.000	43.000	
0176	611.0639	Inlet Covers Type H-S	EACH	16.000	16.000	
0178	611.1004	Catch Basins 4-FT Diameter	EACH	9.000	9.000	
0180	611.1005	Catch Basins 5-FT Diameter	EACH	2.000	2.000	
0182	611.1006	Catch Basins 6-FT Diameter	EACH	1.000	1.000	
0184	611.1230	Catch Basins 2x3-FT	EACH	54.000	54.000	
0186	611.2004	Manholes 4-FT Diameter	EACH	8.000	8.000	
0188	611.2005	Manholes 5-FT Diameter	EACH	11.000	11.000	
0190	611.2006	Manholes 6-FT Diameter	EACH	4.000	4.000	
0192	611.2007	Manholes 7-FT Diameter	EACH	1.000	1.000	
0194	611.2008	Manholes 8-FT Diameter	EACH	1.000	1.000	
0196	611.8120.S	Cover Plates Temporary	EACH	21.000	21.000	

					1610-00-77	1610-00-80
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0198	611.9705	Salvaged Manhole Covers	EACH	14.000	14.000	
0200	611.9710	Salvaged Inlet Covers	EACH	29.000	29.000	
0202	612.0106	Pipe Underdrain 6-Inch	LF	6,609.000	6,609.000	
0204	612.0108	Pipe Underdrain 8-Inch	LF	675.000	675.000	
0206	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	320.000		320.000
0208	614.2300	MGS Guardrail 3	LF	100.000	100.000	
0210	614.2330	MGS Guardrail 3 K	LF	175.000	175.000	
0212	614.2610	MGS Guardrail Terminal EAT	EACH	4.000	4.000	
0214	618.0100	Maintenance and Repair of Haul Roads (project) 01. 1610-00-77	EACH	1.000	1.000	
0216	619.1000	Mobilization	EACH	1.000	0.900	0.100
0218	620.0300	Concrete Median Sloped Nose	SF	1,241.000	1,241.000	
0220	624.0100	Water	MGAL	179.000	179.000	
0222	625.0100	Topsoil	SY	12,506.000	12,506.000	
0224	627.0200	Mulching	SY	928.000	928.000	
0226	628.1504	Silt Fence	LF	2,298.000	2,298.000	
0228	628.1520	Silt Fence Maintenance	LF	2,298.000	2,298.000	
0230	628.1905	Mobilizations Erosion Control	EACH	12.000	12.000	
0232	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000	
0234	628.2004	Erosion Mat Class I Type B	SY	1,840.000	1,840.000	
0236	628.2006	Erosion Mat Urban Class I Type A	SY	10,366.000	10,366.000	
0238	628.7005	Inlet Protection Type A	EACH	91.000	91.000	
0240	628.7010	Inlet Protection Type B	EACH	6.000	6.000	
0242	628.7015	Inlet Protection Type C	EACH	94.000	94.000	
0244	628.7020	Inlet Protection Type D	EACH	4.000	4.000	
0246	628.7504	Temporary Ditch Checks	LF	36.000	36.000	
0248	628.7555	Culvert Pipe Checks	EACH	61.000	61.000	
0250	629.0210	Fertilizer Type B	CWT	8.430	8.430	
0252	630.0120	Seeding Mixture No. 20	LB	46.000	46.000	
0254	630.0130	Seeding Mixture No. 30	LB	67.000	67.000	
0256	630.0140	Seeding Mixture No. 40	LB	154.000	154.000	
0258	630.0200	Seeding Temporary	LB	203.000	203.000	
0260	630.0500	Seed Water	MGAL	293.000	293.000	
0262	633.1100	Delineators Temporary	EACH	20.000	20.000	
0264	633.5200	Markers Culvert End	EACH	16.000	16.000	
0266	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	16.000	16.000	
0268	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	10.000	10.000	
0270	637.2210	Signs Type II Reflective H	SF	89.000	89.000	
0272	637.2230	Signs Type II Reflective F	SF	35.000	35.000	
0274	638.2102	Moving Signs Type II	EACH	75.000	75.000	
0276	638.2602	Removing Signs Type II	EACH	11.000	11.000	
0278	638.3000	Removing Small Sign Supports	EACH	10.000	10.000	
0280	638.4000	Moving Small Sign Supports	EACH	61.000	61.000	
0282	642.5401	Field Office Type D	EACH	1.000	1.000	
0284	643.0300	Traffic Control Drums	DAY	21,882.000	21,882.000	
0286	643.0420	Traffic Control Barricades Type III	DAY	18,400.000	18,400.000	
0288	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	146.000	146.000	
0290	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	146.000	146.000	
0292	643.0705	Traffic Control Warning Lights Type A	DAY	23,580.000	23,580.000	
0294	643.0715	Traffic Control Warning Lights Type C	DAY	1,181.000	1,181.000	

					1610-00-77	1610-00-80
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0296	643.0800	Traffic Control Arrow Boards	DAY	24.000	24.000	
0298	643.0900	Traffic Control Signs	DAY	47,770.000	47,770.000	
0300	643.0920	Traffic Control Covering Signs Type II	EACH	5.000	5.000	
0302	643.1050	Traffic Control Signs PCMS	DAY	78.000	78.000	
0304	643.1070	Traffic Control Cones 42-Inch	DAY	7,835.000	7,835.000	
0306	643.3165	Temporary Marking Line Paint 6-Inch	LF	23,455.000	23,455.000	
0308	643.3170	Temporary Marking Line Epoxy 6-Inch	LF	22,854.000	22,854.000	
0310	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	1,504.000	1,504.000	
0312	643.5000	Traffic Control	EACH	1.000	1.000	
0314	644.1440	Temporary Pedestrian Surface Matting	SF	1,740.000	1,740.000	
0316	644.1601	Temporary Pedestrian Curb Ramp	DAY	345.000	345.000	
0318	644.1605	Temporary Pedestrian Detectable Warning Field	SF	160.000	160.000	
0320	644.1810	Temporary Pedestrian Barricade	LF	2,706.000	2,706.000	
0322	645.0111	Geotextile Type DF Schedule A	SY	3,643.000	3,643.000	
0324	645.0120	Geotextile Type HR	SY	144.000	144.000	
0326	646.1020	Marking Line Epoxy 4-Inch	LF	3,028.000	3,028.000	
0328	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	46,150.000	46,150.000	
0330	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	1,486.000	1,486.000	
0332	646.5020	Marking Arrow Epoxy	EACH	73.000	73.000	
0334	646.5120	Marking Word Epoxy	EACH	1.000	1.000	
0336	646.5220	Marking Symbol Epoxy	EACH	44.000	44.000	
0338	646.6120	Marking Stop Line Epoxy 18-Inch	LF	570.000	570.000	
0340	646.7120	Marking Diagonal Epoxy 12-Inch	LF	36.000	36.000	
0342	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	4,288.000	4,288.000	
0344	646.7520	Marking Crosswalk Epoxy Block Style 24-Inch	LF	228.000	228.000	
0346	646.8120	Marking Curb Epoxy	LF	672.000	672.000	
0348	646.8220	Marking Island Nose Epoxy	EACH	29.000	29.000	
0350	646.9000	Marking Removal Line 4-Inch	LF	2,644.000	2,644.000	
0352	646.9100	Marking Removal Line 8-Inch	LF	558.000	558.000	
0354	646.9200	Marking Removal Line Wide	LF	160.000	160.000	
0356	646.9300	Marking Removal Special Marking	EACH	16.000	16.000	
0358	650.4000	Construction Staking Storm Sewer	EACH	95.000	95.000	
0360	650.4500	Construction Staking Subgrade	LF	4,368.000	4,368.000	
0362	650.5000	Construction Staking Base	LF	483.000	483.000	
0364	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	2,753.000	2,753.000	
0366	650.6000	Construction Staking Pipe Culverts	EACH	3.000	3.000	
0368	650.7000	Construction Staking Concrete Pavement	LF	11,353.000	11,353.000	
0370	650.8000	Construction Staking Resurfacing Reference	LF	13,849.000	13,849.000	
0372	650.8501	Construction Staking Electrical Installations (project) 01. 1610-00-77	EACH	1.000	1.000	
0374	650.9000	Construction Staking Curb Ramps	EACH	97.000	97.000	
0376	650.9500	Construction Staking Sidewalk (project) 01. 1610-00-77	EACH	1.000	1.000	
0378	650.9911	Construction Staking Supplemental Control (project) 01. 1610-00-77	EACH	1.000	1.000	
0380	650.9920	Construction Staking Slope Stakes	LF	1,965.000	1,965.000	
0382	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	3,750.000	3,750.000	
0384	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	1,736.000	1,736.000	
0386	652.0700.S	Install Conduit into Existing Item	EACH	10.000	10.000	
0388	652.0800	Conduit Loop Detector	LF	2,828.000	2,828.000	
0390	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	19.000	19.000	
0392	653.0900	Adjusting Pull Boxes	EACH	6.000	6.000	

Line	Item	Item Description	Unit	Total	1610-00-77 Qty	1610-00-80 Qty
0394	653.0905	Removing Pull Boxes	EACH	5.000	5.000	
0396	654.0101	Concrete Bases Type 1	EACH	16.000	16.000	
0398	654.0102	Concrete Bases Type 2	EACH	1.000	1.000	
0400	655.0260	Cable Traffic Signal 12-14 AWG	LF	3,640.000	3,640.000	
0402	655.0305	Cable Type UF 2-12 AWG Grounded	LF	198.000	198.000	
0404	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	4,387.000	4,387.000	
0406	655.0610	Electrical Wire Lighting 12 AWG	LF	1,425.000	1,425.000	
0408	655.0625	Electrical Wire Lighting 6 AWG	LF	966.000	966.000	
0410	655.0630	Electrical Wire Lighting 4 AWG	LF	20,982.000	20,982.000	
0412	655.0700	Loop Detector Lead In Cable	LF	9,058.000	9,058.000	
0414	655.0800	Loop Detector Wire	LF	8,866.000	8,866.000	
0416	657.0100	Pedestal Bases	EACH	14.000	14.000	
0418	657.0405	Traffic Signal Standards Aluminum 3.5-FT	EACH	14.000	14.000	
0420	658.0500	Pedestrian Push Buttons	EACH	15.000	15.000	
0422	690.0150	Sawing Asphalt	LF	1,658.000	1,658.000	
0424	690.0250	Sawing Concrete	LF	3,100.000	3,100.000	
0426	715.0715	Incentive Flexural Strength Concrete Pavement	DOL	9,065.000	9,065.000	
0428	740.0440	Incentive IRI Ride	DOL	14,700.000	14,700.000	
0430	999.1001.S	Seismograph	EACH	1.000	1.000	
0432	999.1501.S	Crack and Damage Survey	EACH	68.000	68.000	
0434	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,400.000	2,400.000	
0436	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	990.000	990.000	
0438	SPV.0060	Special 01. Salvage & Reinstall Lighting Unit	EACH	6.000	6.000	
0440	SPV.0060	Special 02. Cleaning Culvert Pipes Minimal	EACH	3.000	3.000	
0442	SPV.0060	Special 03. Cleaning Culvert Pipes Full	EACH	2.000	2.000	
0444	SPV.0060	Special 04. Move Lighting Unit	EACH	1.000	1.000	
0446	SPV.0060	Special 05. Temporary Connection to Existing Storm Sewer	EACH	13.000	13.000	
0448	SPV.0060	Special 06. Inlet Covers Type H-D	EACH	7.000	7.000	
0450	SPV.0060	Special 07. Concrete Bases Type Special	EACH	5.000	5.000	
0452	SPV.0060	Special 11. Remove Existing Hydrant and Lead	EACH	4.000		4.000
0454	SPV.0060	Special 12. Abandon Water Service	EACH	4.000		4.000
0456	SPV.0060	Special 13. Exploratory Excavation	EACH	5.000		5.000
0458	SPV.0060	Special 14. Connect to Existing Water Main	EACH	11.000		11.000
0460	SPV.0060	Special 15. Lower Water Main	EACH	2.000		2.000
0462	SPV.0060	Special 16. Gate Valve and Box 6-inch	EACH	7.000		7.000
0464	SPV.0060	Special 17. Gate Valve and Box 8-inch	EACH	11.000		11.000
0466	SPV.0060	Special 18. Gate Valve and Box 10-inch	EACH	2.000		2.000
0468	SPV.0060	Special 19. Gate Valve and Box 12-inch	EACH	1.000		1.000
0470	SPV.0060	Special 20. Hydrant 7.5-Ft Bury Depth	EACH	6.000		6.000
0472	SPV.0060	Special 21. Connect to Existing Water Service	EACH	52.000		52.000
0474	SPV.0060	Special 22. Corporation Stop 1-inch	EACH	51.000		51.000
0476	SPV.0060	Special 23. Corporation Stop 1.5-inch	EACH	4.000		4.000
0478	SPV.0060	Special 24. Curb Stop and Box 1-inch	EACH	50.000		50.000
0480	SPV.0060	Special 25. Curb Stop and Box 1.5-inch	EACH	4.000		4.000
0482	SPV.0060	Special 26. Adjusting Existing Water Valve Box	EACH	20.000	20.000	
0484	SPV.0060	Special 27. Maintain Water Service During Construction	EACH	1.000		1.000
0486	SPV.0060	Special 28. Project Sign - DNR SDWL	EACH	1.000		1.000
0488	SPV.0060	Special 30. Remove Traffic Signals, STH 13 & 6th Street	EACH	1.000	1.000	
0490	SPV.0060	Special 31. Remove Traffic Signals, STH 13 & Main Street	EACH	1.000	1.000	

Line	Item	Item Description	Unit	Total	1610-00-77 Qty	1610-00-80 Qty
0492	SPV.0060	Special 32. Remove, Salvage, and Reinstall Poles Type 3	EACH	1.000	1.000	
0494	SPV.0060	Special 33. Remove, Salvage, and Reinstall Traffic Signal Standards Aluminum 13-FT	EACH	2.000	2.000	
0496	SPV.0060	Special 37. Salvaging Sanitary Manhole Covers	EACH	8.000	8.000	
0498	SPV.0085	Special 01. Water Main Fittings	LB	3,300.000		3,300.000
0500	SPV.0090	Special 02. Storm Sewer Pipe PVC 6-Inch	LF	12.000	12.000	
0502	SPV.0090	Special 03. Construction Staking Subbase	LF	4,368.000	4,368.000	
0504	SPV.0090	Special 04. Concrete Curb & Gutter 4-Inch Sloped 25-Inch Type R	LF	542.000	542.000	
0506	SPV.0090	Special 05. Concrete Curb & Gutter Cure and Seal Treatment	LF	20,164.000	20,164.000	
0508	SPV.0090	Special 06. Schedule 40 PVC Perforated 6-Inch	LF	888.000	888.000	
0510	SPV.0090	Special 11. Water Service 1-inch	LF	1,140.000		1,140.000
0512	SPV.0090	Special 12. Water Service 1-inch Boring Under Northbound Lanes	LF	900.000		900.000
0514	SPV.0090	Special 13. Water Service 1.5-inch	LF	100.000		100.000
0516	SPV.0090	Special 14. Remove Water Main	LF	600.000		600.000
0518	SPV.0090	Special 15. Water Main C900 6-inch	LF	275.000		275.000
0520	SPV.0090	Special 16. Water Main C900 8-inch	LF	2,550.000		2,550.000
0522	SPV.0090	Special 17. Water Main C900 10-inch	LF	160.000		160.000
0524	SPV.0090	Special 18. Water Main C900 12-inch	LF	50.000		50.000
0526	SPV.0090	Special 19. Water Main C900 16-inch	LF	175.000		175.000
0528	SPV.0165	Special 01. Concrete Sidewalk Cure and Seal Treatment	SF	26,928.000	22,978.000	3,950.000
0530	SPV.0180	Special 01. Concrete Driveway Cure and Seal Treatment	SY	968.000	968.000	
0532	SPV.0180	Special 02. Gardening Soil	SY	484.000	484.000	

3

CLEARING & GRUBBING

CAT. 0010 STAGE	STATION	-	STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA	COMMENT
STAGE 1B	1131+25	-	1134+67	STH 13 C/L	4	4	TREES AT 1131+25, 1132+75, 1133+20, 1133+62, 1134+05, 1134+67 C/L ONLY
STAGE 4	10+55	-	10+55	11TH ST RT	1	1	TREE AT 10+55, 24' RT ONLY
			PROJECT TOTALS		5	5	

REMOVING SMALL PIPE CULVERTS

CAT. 0010 STATION	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	COMMENTS
1009+12	STH 13	1	24" X 61' REINFORCED CONCRETE
1019+52	STH 13	1	42" X 69' REINFORCED CONCRETE
1060+52	STH 13	1	24" X 59' REINFORCED CONCRETE
PROJECT TOTAL		3	

REMOVING GUARDRAIL

CAT. 0010 STAGE	STATION	-	STATION	LOCATION	204.0165 REMOVING GUARDRAIL LF
STAGE 1A	1125+05	-	1127+93	RT STH 13	288
STAGE 3	1125+30	-	1128+06	LT STH 13	276
			PROJECT TOTAL		564

PREPARE FOUNDATION FOR ASPHALTIC PAVING

CAT. 0010 LOCATION	211.0101 PREPARE FOUNDATION FOR ASPHALTIC PAVING 01. 1610-00-77 EACH
PROJECT	1
PROJECT TOTAL	1

REMOVING CONCRETE PAVEMENT

CAT. 0010 STAGE	STATION	-	STATION		LOCATION	204.0100 * REMOVING CONCRETE PAVEMENT SY	COMMENT
STAGE 2A	1153+45	-	1171+98	LT	STH 13	7005	6TH ST - USH 2
STAGE 2B	1153+45	-	1171+98	RT	STH 13	6966	6TH ST - USH 2
STAGE 3	1116+45.5	-	1153+45	LT	STH 13	10783	16TH ST - 6TH ST
STAGE 4	1116+45.5	-	1153+45	RT	STH 13	10893	16TH ST - 6TH ST
					CAT. 0010 TOTAL	35,647	
CAT. 0020							
STAGE 3	1132+39.4	-	1135+32.2	LT	12TH ST - 11TH ST	195	ELLIS AVE (STH 13) PARKING LANES
	1136+07.7	-	1139+02.4	LT	11TH ST - 10TH S	196	ELLIS AVE (STH 13) PARKING LANES
	1139+69	-	1142+69.3	LT	10TH ST - 9TH ST	200	ELLIS AVE (STH 13) PARKING LANES
	1143+35.3	-	1146+36.8	LT	9TH ST - 8TH ST	201	ELLIS AVE (STH 13) PARKING LANES
	1146+99.6	-	1150+01.5	LT	8TH ST - 7TH ST	200	ELLIS AVE (STH 13) PARKING LANES
	1150+67.4	-	1153+48.6	LT	7TH ST - 6TH ST	188	ELLIS AVE (STH 13) PARKING LANE
STAGE 3 SUB TOTAL						1,180	
STAGE 4	1132+39.4	-	1135+32.2	RT	12TH ST - 11TH ST	196	ELLIS AVE (STH 13) PARKING LANES
	1136+07.7	-	1139+02.4	RT	11TH ST - 10TH ST	197	ELLIS AVE (STH 13) PARKING LANES
	1139+69.0	-	1142+69.3	RT	10TH ST - 9TH ST	200	ELLIS AVE (STH 13) PARKING LANES
	1143+35.3	-	1146+36.8	RT	9TH ST - 8TH ST	201	ELLIS AVE (STH 13) PARKING LANES
	1146+99.6	-	1150+01.5	RT	8TH ST - 7TH ST	201	ELLIS AVE (STH 13) PARKING LANES
	1150+67.4	-	1153+42.9	RT	7TH ST - 6TH ST	184	ELLIS AVE (STH 13) PARKING LANE
STAGE 4 SUB TOTAL						1,178	
					CAT. 0020 TOTAL	2,358	
					TABLE TOTAL	38,005	

* ADDITIONAL QUANTITIES LOCATED IN CONCRETE DRIVEWAY TABLE.

SEALING PIPES

CAT. 0010 STAGE	STATION	LOCATION		204.0280 SEALING PIPES EACH
STAGE 4	1128+19	STH 13	RT	1
	1128+80	STH 13	RT	1
	1153+45	STH 13	RT	1
STAGE 4 SUB TOTAL				3
		PROJECT TOTAL		3

STORM SEWER REMOVALS

CAT. 0010					204.0210 REMOVING MANHOLES	204.0220 REMOVING INLETS	204.0245.01 REMOVING STORM SEWER 6-INCH	204.0245.02 REMOVING STORM SEWER 12-INCH	204.0245.03 REMOVING STORM SEWER 15-INCH	204.0245.04 REMOVING STORM SEWER 18-INCH	204.0245.05 REMOVING STORM SEWER 24-INCH	204.0291.S ABANDONING SEWER
STAGE	STATION		STATION	LOCATION	EACH	EACH	LF	LF	LF	LF	LF	CY
STAGE 1A	1121+79	-	1125+53	RT	-	1	-	-	-	71	-	-
	1128+02	-	1132+26	RT	-	-	-	34	-	-	-	-
STAGE 1A SUB TOTALS					-	1	-	34	-	71	-	-
STAGE 1B	1128+12	-	1135+46	RT	3	-	-	655	-	-	-	-
STAGE 3	1116+86	-	1117+70	LT	2	-	-	-	8	-	128	-
	1121+68	-	1121+95	LT	-	1	-	-	27	-	-	-
	1128+83	-	1135+88	LT	-	7	-	253	-	-	-	-
	1139+15	-	1153+46	LT	3	7	-	413	16	-	5	38
STAGE 3 SUB TOTALS					5	15	-	666	51	-	133	38
STAGE 4	1117+69	-	1117+71	RT	-	-	-	-	-	-	50	-
	1121+79	-	1125+52	RT	-	-	-	-	-	-	-	-
	1127+83	-	1135+88	RT	-	3	14	154	-	-	-	-
	1139+15	-	1153+46	RT	-	5	15	150	-	-	72	-
STAGE 4 SUB TOTALS					-	8	29	304	-	-	122	-
PROJECT TOTALS					8	24	29	1,659	51	71	255	38

PREPARE FOUNDATION FOR CONCRETE PAVEMENT

CAT. 0010	211.0201 PREPARE FOUNDATION FOR CONCRETE PAVEMENT 01. 1610-00-77
LOCATION	EACH
PROJECT	1
PROJECT TOTAL	1

FINISHING ROADWAY

CAT. 0010	213.0100 FINISHING ROADWAY 01. 1610-00-77
LOCATION	EACH
PROJECT	1
PROJECT TOTAL	1

REMOVING ASPHALTIC SURFACE ITEMS

CAT. 0010

STAGE	STATION	-	STATION	LOCATION	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0110 REMOVING ASPHALTIC SURFACE SY	COMMENT
NON STAGED	977+84	-	978+87	RT @ PEARCE RD	150	-	-	ALONG RADII TO BUTT JOINT
	10+51	-	10+53	PEARCE RD	-	5	-	BUTT JOINT PER PLAN DETAIL
	977+84	-	978+87	LT @ BUTTERWORTH RD	153	-	-	ALONG RADII TO BUTT JOINT
	9+48	-	9+50	BUTTERWORTH RD	-	6	-	BUTT JOINT PER PLAN DETAIL
	977+96	-	1116+45.5	STH 13	52321	-	-	FULL ROADWAY WIDTH
	977+96	-	977+98	BOP	-	8	-	BUTT JOINT PER PLAN DETAIL
	981+57	-	981+83	STH 13	-	-	99	CULVERT PIPE FROST HEAVE REPAIR
	982+94			LT, STH 13	-	-	31	DRIVEWAY
	985+07			RT, STH 13	-	-	19	DRIVEWAY
	1000+38	-	1000+65	STH 13	-	-	102	CULVERT PIPE FROST HEAVE REPAIR
	1008+96.5	-	1009+28.5	STH 13	-	-	121	CULVERT PIPE REPLACEMENT
	1014+53			RT, STH 13	-	-	19	DRIVEWAY
	1016+18			LT, STH 13	-	-	42	DRIVEWAY
	1017+96			RT, STH 13	-	-	16	DRIVEWAY
	1019+28	-	1019+75	STH 13	-	-	178	CULVERT PIPE REPLACEMENT
	1023+24			RT, STH 13	-	-	23	DRIVEWAY
	1027+23			RT, STH 13	-	-	20	DRIVEWAY
	1029+11			RT, STH 13	-	-	24	DRIVEWAY
	1030+28	-	1031+49	RT @ OLD AIRPORT RD	260	-	-	ALONG RADII TO BUTT JOINT
	1030+48	-	1030+66	STH 13	-	-	89	CULVERT PIPE FROST HEAVE REPAIR
	10+64	-	10+66	OLD AIRPORT RD	-	6	-	BUTT JOINT PER PLAN DETAIL
	1030+94			LT, STH 13	-	-	16	DRIVEWAY
	1036+79			RT, STH 13	-	-	27	DRIVEWAY
	1040+52	-	1042+21	RT @ SAWMILL RD	257	-	-	MILL EXISTING APRON SURFACE
	1057+68			RT, STH 13	-	-	20	DRIVEWAY
	1060+17	-	1060+75	STH 13	-	-	220	CULVERT PIPE REPLACEMENT
	1060+87	-	1066+80	RT, STH 13	437	-	-	NORTHBOUND BYPASS LANE WITH TAPERS
	1060+96			LT, STH 13	-	-	24	DRIVEWAY
	1061+56			RT, STH 13	-	-	114	DRIVEWAY
	1062+67	-	1063+86	LT @ BINSFIELD RD	380	-	-	ALONG RADII TO BUTT JOINT
	9+20	-	9+22	BINSFIELD RD	-	7	-	BUTT JOINT PER PLAN DETAIL
	1063+86	-	1067+69	LT, STH 13	297	-	-	SOUTHBOUND TURN LANE @ BINSFIELD RD
	1067+02			RT, STH 13	-	-	26	DRIVEWAY
	1069+60	-	1069+76	STH 13	-	-	61	CULVERT PIPE FROST HEAVE REPAIR
	1086+77	-	1087+27	STH 13	-	-	187	CULVERT PIPE FROST HEAVE REPAIR
	1089+33			RT, STH 13	-	-	29	DRIVEWAY
	1094+68	-	1096+10	RT @ 22ND STREET	183	-	-	MILL EXISTING APRON SURFACE
	1094+83	-	1096+10	LT @ 22ND STREET	155	-	-	ALONG RADII TO BUTT JOINT
	09+53.5	-	09+55.5	LT, 22ND STREET	-	7	-	BUTT JOINT PER PLAN DETAIL
	1102+59			RT, STH 13	-	-	15	DRIVEWAY
	1105+91			RT, STH 13	-	-	39	DRIVEWAY
	1106+71			LT, STH 13	-	-	16	DRIVEWAY
	1109+51	-	1110+59	RT @ 18TH STREET	146	-	-	MILL EXISTING APRON SURFACE
	1109+81	-	1110+51	LT @ 18TH STREET	71	-	-	MILL EXISTING APRON SURFACE
	1111+23			LT, STH 13	-	-	10	DRIVEWAY
	1112+11			RT, STH 13	-	-	23	DRIVEWAY
	1112+16			LT, STH 13	-	-	16	DRIVEWAY
	1113+85			LT, STH 13	-	-	48	DRIVEWAY
	1115+56			RT, STH 13	-	-	47	DRIVEWAY
	1115+77	-	1116+45.5	LT, STH 13	-	-	49	REMOVAL FOR DRIVEWAY & TAPER
	1115+92	-	1116+45.5	RT, STH 13	-	-	29	REMOVAL FOR TAPER & DRIVEWAY
NON STAGED SUB TOTALS					54810	39	1799	

REMOVING ASPHALTIC SURFACE ITEMS - CONTINUED

CAT. 0010

STAGE	STATION	-	STATION	LOCATION	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0110 REMOVING ASPHALTIC SURFACE SY	COMMENT
STAGE 2A	9+30.6	-	9+39.3	6TH ST WEST	-	-	47	CONCRETE PAVEMENT LIMIT TO SAWCUT
	1155+92			LT, STH 13	-	-	12	TRI-COUNTY TRAIL ASPHALT
	9+37.5	-	9+49	5TH ST WEST	-	-	50	CONCRETE PAVEMENT LIMIT TO SAWCUT
	9+34	-	9+48.5	DEPOT DRIVE	-	-	56	CONCRETE PAVEMENT LIMIT TO SAWCUT
	1163+38			LT, STH 13	-	-	30	DRIVEWAY
	9+39	-	9+48.2	3RD ST WEST	-	-	41	CONCRETE PAVEMENT LIMIT TO SAWCUT
	1166+03			LT, STH 13	-	-	33	DRIVEWAY
	9+38.4	-	9+48.4	MAIN ST WEST	-	-	47	CONCRETE PAVEMENT LIMIT TO SAWCUT
STAGE 2A SUB TOTALS					0	0	316	
STAGE 2B	1155+94			RT, STH 13	-	-	12	TRI-COUNTY TRAIL ASPHALT
	10+51.7	-	10+61.3	5TH ST EAST	-	-	39	CONCRETE PAVEMENT LIMIT TO SAWCUT
	1159+46			RT, STH 13	-	-	33	DRIVEWAY
	1161+65			RT, STH 13	-	-	23	DRIVEWAY
	1162+98			RT, STH 13	-	-	23	DRIVEWAY
	10+56.8	-	10+61.2	3RD ST EAST	-	-	20	CONCRETE PAVEMENT LIMIT TO SAWCUT
	1167+02			RT, STH 13	-	-	31	DRIVEWAY
	10+61.6	-	10+70.3	MAIN ST EAST	-	-	41	CONCRETE PAVEMENT LIMIT TO SAWCUT
STAGE 2B SUB TOTALS					0	0	222	
STAGE 2C	1154+45	-	1171+95	STH 13	-	-	972	
STAGE 3	1116+45.5	-	1118+71	LT, STH 13	-	-	386	REMOVAL FOR MAIN COLLEGE ENTRANCE
	1121+65	-	1122+34	LT, STH 13	-	-	95	ALONG EX. C&G TO COLL. ENTRANCE SAWCUT
	1128+11	-	1128+47	LT, STH 13	-	-	49	OLD 13TH STREET TO R/W LINE
	9+00	-	9+48	12TH ST WEST	-	-	155	CONCRETE PAVEMENT LIMIT TO SAWCUT
	9+32.5	-	9+48	11TH ST WEST	-	-	55	CONCRETE PAVEMENT LIMIT TO SAWCUT
	9+28	-	9+49.7	10TH ST WEST	-	-	75	CONCRETE PAVEMENT LIMIT TO SAWCUT
	9+30.4	-	9+50.3	9TH ST WEST	-	-	98	CONCRETE PAVEMENT LIMIT TO SAWCUT
	9+29	-	9+47	8TH ST WEST	-	-	57	CONCRETE PAVEMENT LIMIT TO SAWCUT
	9+31	-	9+47	7TH ST WEST	-	-	57	CONCRETE PAVEMENT LIMIT TO SAWCUT
STAGE 3 SUB TOTALS					0	0	1027	
STAGE 4	1116+72.5	-	1118+19	RT @ 16TH ST	-	-	181	REMOVAL FOR 16TH ST EAST
	1117+80	-	1126+40	RT, STH 13	-	-	478	REMOVAL OF TEMPORARY ASPHALT
	10+52	-	10+90	12TH ST EAST	-	-	155	CONCRETE PAVEMENT LIMIT TO SAWCUT
	10+52	-	10+80	11TH ST EAST	-	-	100	CONCRETE PAVEMENT LIMIT TO SAWCUT
	10+52.6	-	10+75	10TH ST EAST	-	-	82	CONCRETE PAVEMENT LIMIT TO SAWCUT
	10+52	-	10+65.5	9TH ST EAST	-	-	49	CONCRETE PAVEMENT LIMIT TO SAWCUT
	10+52	-	10+74	8TH ST EAST	-	-	71	CONCRETE PAVEMENT LIMIT TO SAWCUT
	10+52	-	10+71	7TH ST EAST	-	-	68	CONCRETE PAVEMENT LIMIT TO SAWCUT
STAGE 4 SUB TOTALS					0	0	1184	
STAGE 5	1118+15	-	1128+50	STH 13	-	-	833	REMOVAL OF TEMPORARY ASPHALT
				PROJECT TOTALS	54,810	39	6,353	

EARTHWORK SUMMARY

DIVISION	FROM/TO STATION	LOCATION	COMMON EXCAVATION (1) CUT (2)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE	208.0100 BORROW	COMMENT
DIVISION 1											
STAGE 1	1117+80/1126+40	STH 13	320	0	320	0	0	320	320	0	
DIVISION 1 SUBTOTAL			320	0	320	0	0	320	320	0	
DIVISION 2											
STAGE 2A	1153+48.61/1171+97.86	STH 13	2,130	1,533	597	12	15	582	582	0	
	9+30.58/9+50.00	6TH ST - WEST	39	0	39	0	0	39	39	0	
	9+37.51/9+49.22	5TH ST - WEST	21	0	21	0	0	21	21	0	
	9+28.48/9+50.00	DEPOT ST - WEST	32	0	32	0	0	32	32	0	
	9+38.99/9+60.00	3RD ST - WEST	44	0	44	0	0	44	44	0	
	9+38.43/9+50.00	MAIN ST - WEST	19	0	19	0	0	19	19	0	
STAGE 2B	1153+48.61/1171+97.86	STH 13	2,099	1,533	566	9	11	555	555	0	
	10+50.00/10+81.73	6TH ST - EAST	78	0	78	0	0	78	78	0	
	10+50.00/10+61.30	5TH ST - EAST	15	0	15	0	0	15	15	0	
	10+50.00/10+80.00	3RD ST - EAST	61	0	61	0	0	61	61	0	
	10+50.00/10+70.28	MAIN ST - EAST	38	0	38	0	0	38	38	0	
DIVISION 2 SUBTOTAL			4,576	3,066	1,510	21	26	1,484	1,484	0	
DIVISION 3											
STAGE 3	1116+45.46/1153+48.61	STH 13	10,444	3,478	6,966	175	219	6,747	6,747	0	
	9+52.21/9+65.00	COLLEGE ENTRANCE (S)	35	0	35	1	1	34	34	0	
	9+39.78/9+60.00	COLLEGE ENTRANCE (N)	101	0	101	0	0	101	101	0	
	9+00.07/9+50.00	12TH ST - WEST	212	0	212	0	0	212	212	0	
	9+32.48/9+50.00	11TH ST - WEST	66	0	66	0	0	66	66	0	
	9+28.90/9+60.00	10TH ST - WEST	122	0	122	0	0	122	122	0	
	9+15.00/9+50.69	9TH ST - WEST	110	0	110	1	1	109	109	0	
	9+28.95/9+50.00	8TH ST - WEST	74	0	74	0	0	74	74	0	
	9+31.22/9+50.00	7TH ST - WEST	70	0	70	1	1	69	69	0	
DIVISION 3 SUBTOTAL			11,234	3,478	7,756	178	223	7,534	7,534	0	
DIVISION 4											
STAGE 4	1116+45.46/1153+48.61	STH 13	10,530	3,491	7,039	0	240	6,799	6,799	0	
	10+40.00/10+54.85	16TH ST - EAST	49	0	49	9	11	38	38	0	
	10+50.00/11+00.00	12TH ST - EAST	209	0	209	1	1	208	208	0	
	10+50.00/10+80.00	11TH ST - EAST	120	0	120	0	0	120	120	0	
	10+50.00/10+75.00	10TH ST - EAST	97	0	97	0	0	97	97	0	
	10+47.27/10+65.50	9TH ST - EAST	73	0	73	0	0	73	73	0	
	10+47.50/10+74.00	8TH ST - EAST	104	0	104	0	0	104	104	0	
	10+50.00/10+71.00	7TH ST - EAST	87	0	87	0	0	87	87	0	
DIVISION 4 SUBTOTAL			11,269	3,491	7,778	10	253	7,526	7,526	0	
DIVISION 5 - UNSTAGED WORK											
	981+57/981+83	STH 13	212	212	0	147	184	-184	212	184	
	1000+38/1000+65	STH 13	137	137	0	75	94	-94	137	94	
	1008+96.60/1009+52.50	STH 13	82	37	45	20	25	20	20	0	
	1019+10.00/1020+10.00	STH 13	112	54	58	84	105	-47	0	47	
	1030+48/1030+65	STH 13	155	155	0	100	125	-125	155	125	
	1060+17.50/1060+75.00	STH 13	78	34	44	19	24	20	20	0	
	1069+60/1069+75	STH 13	115	115	0	71	89	-89	115	89	
	1086+77/1087+26	STH 13	261	261	0	139	174	-174	261	174	
DIVISION 1 SUBTOTAL			1,152	1,005	147	655	819	-673	920	713	
GRAND TOTAL			28,551	11,040	17,511	864	1,320	16,190	17,783	713	

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL

5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(13) EXPANDED FILL FACTOR = 1.25

(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

BASE AGGREGATE & SUBBASE ITEMS

CAT. 0010 STAGE	STATION	-	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	310.0110 * BASE AGGREGATE OPEN-GRADED TON	350.0145 SUBBASE 12-INCH SY	624.0100 WATER MGAL	COMMENT
NON STAGED	977+96	-	1116+46	STH 13	1129	-	-	-	-	GRAVEL SHOULDERS
	977+96	-	1116+45	RT & LT	110	-	-	-	-	22 GRAVEL DRIVEWAYS
	981+57	-	981+83	STH 13	12	71	-	-	2	CULVERT PIPE FROST HEAVE REPAIR
	1000+38	-	1000+65	STH 13	12	74	-	-	2	CULVERT PIPE FROST HEAVE REPAIR
	1008+96	-	1009+29	STH 13	15	90	-	-	2	CULVERT PIPE REPLACEMENT
	1019+28	-	1019+75	STH 13	21	128	-	-	2	CULVERT PIPE REPLACEMENT
	1030+48	-	1030+66	STH 13	8	62	-	-	1	CULVERT PIPE FROST HEAVE REPAIR
	1060+17	-	1060+75	STH 13	26	158	-	-	3	CULVERT PIPE REPLACEMENT
	1069+60	-	1069+76	STH 13	7	44	-	-	1	CULVERT PIPE FROST HEAVE REPAIR
	1086+77	-	1087+27	STH 13	22	135	-	-	3	CULVERT PIPE FROST HEAVE REPAIR
NON STAGED SUB TOTALS					1362	762	0	0	16	
STAGE 1A	1117+80	-	1126+40	RT, STH 13	-	418	-	-	7	SHOULDER WIDENING
STAGE 2A	1153+45	-	1171+98	LT, STH 13	-	61	564	-	1	6TH ST - USH 2
STAGE 2B	1153+45	-	1171+98	RT, STH 13	-	71	584	-	2	6TH ST - USH 2
STAGE 3	1116+46	-	1153+45	LT, UNDER CONCRETE	-	4148	-	12444	63	MAINLINE & INTERSECTIONS
	1116+46	-	1153+45	LT, UNDER ASPHALT	-	724	-	1185	11	INTERSECTIONS & ENTRANCES
	1116+46	-	1153+45	LT	-	49	-	-	-	DRIVEWAYS
	1118+15	-	1129+00	STH 13	-	581	-	-	9	FOR STAGE 4 TEMPORARY ASPHALT
STAGE 3 SUB TOTALS					0	5502	0	13629	83	
STAGE 4	1116+46	-	1153+45	RT, UNDER CONCRETE	-	4081	-	12243	62	MAINLINE & INTERSECTIONS
	1116+46	-	1153+45	RT, UNDER ASPHALT	-	488	-	798	8	INTERSECTIONS & ENTRANCES
	1116+46	-	1153+45	RT	-	54	-	-	-	DRIVEWAYS
	1116+46	-	1121+80	RT, STH 13	33	-	-	-	-	GRAVEL SHOULDER
STAGE 4 SUB TOTALS					33	4623	0	13041	70	
				CAT. 0010 TOTALS	1,395	11,438	1,148	26,670	179	
CAT. 0020										
STAGE 3	1132+39.4	-	1153+48.6	LT, 12TH ST - 6TH ST	-	394	-	1181	-	ELLIS AVE (STH 13) PARKING LANE
STAGE 4	1150+67.4	-	1153+42.9	RT, 12TH ST - 6TH ST	-	392	-	1175	-	ELLIS AVE (STH 13) PARKING LANE
				CAT. 0020 TOTALS	0	786	0	2356	0	
				TABLE TOTAL			1,148			
				PROJECT TOTALS	1,395	12,224		29,026	179	

* ADDITIONAL QUANTITIES LOCATED IN PIPE UNDERDRAIN TABLE.

SHAPING SHOULDERS

CAT. 0010				305.0500 SHAPING SHOULDERS
STAGE	STATION -	STATION	LOCATION	STA
NON STAGED	978+47 -	1062+68	LT, STH 13	85
	1062+68 -	1095+05	LT, STH 13	33
	1095+88 -	1110+02	LT, STH 13	15
	1110+23 -	1116+09	LT, STH 13	6
	978+38 -	1030+36	RT, STH 13	52
	1030+36 -	1040+70	RT, STH 13	11
	1042+04 -	1095+30	RT, STH 13	54
	1095+59 -	1109+97	RT, STH 13	15
	1110+23 -	1115+40	RT, STH 13	6
NON STAGED SUB TOTAL				277
STAGE 4	1117+80 -	1121+80	RT, STH 13	4
			PROJECT TOTAL	281

CONCRETE TRUCK APRON & COLORING CONCRETE ITEMS

CAT. 0010				405.0100 COLORING CONCRETE WISDOT RED	415.2010 CONCRETE TRUCK APRON 12-INCH
STAGE	STATION -	STATION	LOCATION	CY	SY
STAGE 2C	1154+56 -	1154+88	MEDIAN	8.7	26
	1156+80 -	1157+12	MEDIAN	8.7	26
	1158+24 -	1158+55	MEDIAN	8.7	26
	1160+78 -	1161+09	MEDIAN	8.7	26
	1162+21 -	1162+57	MEDIAN	7.0	21
	1164+11 -	1164+42	MEDIAN	8.7	26
	1165+54 -	1165+86	MEDIAN	8.7	26
	1167+77 -	1168+09	MEDIAN	8.7	26
	1169+21 -	1169+52	MEDIAN	8.7	26
STAGE 2C SUB TOTALS				76.6	229
			PROJECT TOTALS	76.6	229

CONCRETE PAVEMENT 9-INCH ITEMS

CAT. 0010				415.0090 CONCRETE PAVEMENT 9-INCH	415.1090 CONCRETE PAVEMENT HES 9-INCH	415.0210 CONCRETE PAVEMENT GAPS	415.4100 CONCRETE PAVEMENT JOINT FILLING	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT	COMMENT
STAGE	STATION -	STATION	LOCATION	SY	SY	EACH	SY	LF	
STAGE 2A	1153+42.92 -	1171+97.9	LT, STH 13	5502	-	-	5502	1855	MAINLINE & INTERSECTIONS
	1153+76 -	1154+24	LT, STH 13	-	162	1	162	-	6TH ST HES & 24FT GAP
	1164+74 -	1165+22	LT, STH 13	-	135	1	135	-	3RD ST HES & 24FT GAP
STAGE 2A SUB TOTALS				5502	296	2	5798	1855	
STAGE 2B	1153+42.92 -	1171+97.9	RT, STH 13	5480	-	-	5480	1855	MAINLINE & INTERSECTIONS
	1153+76.2 -	1154+24.2	RT, STH 13	-	173	1	173	-	6TH ST HES & 24FT GAP
	1157+43.6 -	1157+91.6	RT, STH 13	-	130	1	130	-	5TH ST HES & 24FT GAP
	1164+74.3 -	1165+22.3	RT, STH 13	-	146	1	146	-	3RD ST HES & 24FT GAP
	1169+88 -	1170+18	RT, STH 13	-	76	1	76	-	HOLIDAY ENTRANCE HES & GAP
STAGE 2B SUB TOTALS				5480	525	4	6005	1855	
STAGE 2C	1154+50.2 -	1171+91.3	MEDIAN, STH 13	-	-	-	1750	-	TYPE A CURB & GUTTER JOINTS
STAGE 3	1116+54.96 -	1153+42.92	LT, STH 13	8571	-	-	8571	3820	MAINLINE & INTERSECTIONS
	1135+46 -	1135+94	LT, STH 13	-	128	1	128	-	11TH ST HES & 24FT GAP
	1146+44.1 -	1146+92.1	LT, STH 13	-	122	1	122	-	8TH ST HES & 24FT GAP
STAGE 3 SUB TOTALS				8571	250	2	8821	3820	
STAGE 4	1116+54.96 -	1153+42.92	RT, STH 13	8308	-	-	8308	3823	MAINLINE & INTERSECTIONS
	1135+46 -	1135+94	RT, STH 13	-	128	1	128	-	11TH ST HES & 24FT GAP
	1146+44.1 -	1146+92.1	RT, STH 13	-	125	1	125	-	8TH ST HES & 24FT GAP
STAGE 4 SUB TOTALS				8308	253	2	8561	3823	
STAGE 5	1118+18.9 -	1152+61.4	MEDIAN, STH 13	-	-	-	3762	-	TYPE A CURB & GUTTER JOINTS
			CAT. 0010 TOTALS	27,861	1,324	10	34,697	11,353	
CAT. 0020									
STAGE 3	1132+39.4 -	1153+48.6	LT, STH 13	1180	-	-	1180	-	PARKING LANES
STAGE 4	1132+39.5 -	1153+42.9	RT, STH 13	1175	-	-	1175	-	PARKING LANES
			CAT. 0020 TOTALS	2355	0	0	2355	0	
			PROJECT TOTALS	30,216	1,324	10	37,052	11,353	

DRILLED TIE BARS

CAT. 0010		416.0610 DRILLED TIE BARS
STATION	LOCATION	EACH
1171+97.9	NORTH PROJECT LIMIT	30
	PROJECT TOTAL	30

MATERIAL TRANSFER VEHICLE

CAT. 0010	460.9000.S MATERIAL TRANSFER VEHICLE 01. 1610-00-77
LOCATION	EACH
PROJECT	1
PROJECT TOTAL	1

ASPHALTIC FLUMES

CAT. 0010				465.0315 ASPHALTIC FLUMES
STAGE	STATION	LOCATION		SY
1A	1125+17	STH 13	RT	8
	PROJECT TOTAL			8

ASPHALTIC SURFACE ITEMS

CAT. 0010					465.0105 ASPHALTIC SURFACE	465.0110 ASPHALTIC SURFACE PATCHING	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	455.0605* TACK COAT	COMMENT
STAGE	STATION	-	STATION	LOCATION	TON	TON	TON	GAL	
NON STAGED	978+26 RT			PEARCE RD	28	--	--	9	
	978+36 LT			BUTTERWORTH RD	29	--	--	9	
	981+57	-	981+83	STH 13	--	39	--	6	REPLACE CULVERT PIPE BACKFILL
	982+94 LT			DRIVEWAY	--	--	5	--	
	985+07 RT			DRIVEWAY	--	--	5	--	
	1000+38	-	1000+65	STH 13	--	40	--	6	REPLACE CULVERT PIPE BACKFILL
	1008+96	-	1009+29	STH 13	--	49	--	7	CULVERT PIPE REPLACEMENT
	1014+53 RT			DRIVEWAY	--	--	5	--	
	1016+18 LT			DRIVEWAY	--	--	6	--	
	1017+96 RT			DRIVEWAY	--	--	4	--	
	1019+28	-	1019+75	STH 13	--	70	--	10	CULVERT PIPE REPLACEMENT
	1023+24 RT			DRIVEWAY	--	--	6	--	
	1027+23 RT			DRIVEWAY	--	--	7	--	
	1029+11 RT			DRIVEWAY	--	--	8	--	
	1030+48	-	1030+66	STH 13	--	37	--	6	REPLACE CULVERT PIPE BACKFILL
	1030+94 LT			DRIVEWAY	--	--	4	--	
	1030+98 RT			OLD AIRPORT RD	48	--	--	15	
	1036+79 RT			DRIVEWAY	--	--	8	--	
	1041+36 RT			SAWMILL RD	57	--	--	18	
	1057+68 RT			DRIVEWAY	--	--	4	--	
	1060+17	-	1060+75	STH 13	--	86	--	13	CULVERT PIPE REPLACEMENT
	1060+96 LT			DRIVEWAY	--	--	6	--	
	1061+56 RT			DRIVEWAY	--	--	19	--	
	1063+24			BINSFIELD RD	72	--	--	22	
	1067+02 RT			DRIVEWAY	--	--	8	0	
	1069+60	-	1069+76	STH 13	--	24	--	4	REPLACE CULVERT PIPE BACKFILL
	1086+77	-	1087+27	STH 13	--	73	--	11	REPLACE CULVERT PIPE BACKFILL
	1089+33 RT			DRIVEWAY	--	--	5	--	
	1095+44 RT			22ND ST	32	--	--	10	
	1095+44 LT			22ND ST	29	--	--	9	
	1102+59 RT			DRIVEWAY	--	--	3	--	
	1105+91 RT			DRIVEWAY	--	--	6	--	
	1106+71 LT			DRIVEWAY	--	--	3	--	
	1110+09.5 LT			18TH ST	13	--	--	4	
	1110+12 RT			18TH ST	27	--	--	9	
	1111+23 LT			DRIVEWAY	--	--	1	--	
	1112+11 RT			DRIVEWAY	--	--	4	--	
	1112+16 LT			DRIVEWAY	--	--	2	--	
	1113+85 LT			DRIVEWAY	--	--	8	--	
	1115+56 RT			DRIVEWAY	--	--	7	--	
	1115+77	-	1116+45.5	LT SHOULDER TAPER	11	--	--	3	
	1115+77	-	1116+45.5	RT SHOULDER TAPER	8	--	--	2	
				UNDISTRIBUTED	300	100	--	--	PROJECT WIDE
NON STAGED SUB TOTALS					654	517	135	173	

ASPHALTIC SURFACE ITEMS - CONTINUED

CAT. 0010					465.0105 ASPHALTIC SURFACE	465.0110 ASPHALTIC SURFACE PATCHING	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	455.0605* TACK COAT	COMMENT
STAGE	STATION	-	STATION	LOCATION	TON	TON	TON	GAL	
STAGE 1A	1124+98	-	1125+33	RT, STH 13	--	24	--	--	LATERAL STORM SEWER INSTALLATION
	1127+95	-	1128+30	RT, STH 13	--	26	--	--	LATERAL STORM SEWER INSTALLATION
STAGE 1A SUB TOTALS					0	50	0	0	
STAGE 1B	10+00	-	10+95	LT, 6TH ST EAST	--	65	--	--	LATERAL WATER MAIN INSTALLATION
	10+60	-	10+90	RT, 6TH ST EAST	--	22	--	--	LATERAL WATER MAIN INSTALLATION
	09+05	-	10+00	LT, 6TH ST WEST	--	71	--	--	LATERAL WATER MAIN INSTALLATION
	09+65	-	10+00	RT, 6TH ST WEST	--	33	--	--	LATERAL WATER MAIN INSTALLATION
	10+00	-	10+95	LT, MAIN ST EAST	--	65	--	--	LATERAL WATER MAIN INSTALLATION
STAGE 1B SUB TOTALS					0	256	0	0	
STAGE 2A	9+30.6	-	9+39.3	6TH ST WEST	15	--	--	6	
	9+37.5	-	9+49	SUPER ONE ENTR	11	--	--	3	
	9+34	-	9+48.5	DEPOT DRIVE	12	--	--	4	
	9+39	-	9+48.2	3RD ST WEST	9	--	--	3	
	9+36.5	-	9+53.5	3RD ST WEST	-	--	2	--	NAPA PARKING LOT
	9+38.4	-	9+48.4	MAIN ST WEST	10	--	--	3	
STAGE 2A SUB TOTALS					59	0	2	19	
STAGE 2B	10+61.6	-	10+81.7	6TH ST EAST	20	--	--	5	
	10+51.7	-	10+61.3	5TH ST EAST	8	--	--	3	
	10+56.8	-	10+61.2	3RD ST EAST	4	--	--	2	
	10+61.6	-	10+70.3	MAIN ST EAST	9	--	--	3	
STAGE 2B SUB TOTALS					42	0	0	13	
STAGE 3	1117+37 LT			MAIN COLLEGE ENTRANCE	49	--	--	13	
	1122+01 LT			S. COLLEGE ENTRANCE	21	--	--	6	
	9+00	-	9+48	12TH ST WEST	35	--	--	9	
	9+32.5	-	9+48	11TH ST WEST	12	--	--	4	
	9+28	-	9+49.7	10TH ST WEST	17	--	--	5	
	9+30.4	-	9+50.3	9TH ST WEST	13	--	--	4	
	9+29	-	9+47	8TH ST WEST	13	--	--	4	
	9+31	-	9+47	7TH ST WEST	13	--	--	4	
STAGE 3 SUB TOTALS					172	0	0	49	
STAGE 4	1116+45.5	-	1116+94	RT SHOULDER	4	--	--	1	
	1117+37 RT			16TH STREET	29	--	--	8	
	10+52	-	11+00	12TH ST EAST	35	--	--	9	
	10+52	-	10+80	11TH ST EAST	22	--	--	6	
	10+52.6	-	10+75	10TH ST EAST	18	--	--	5	
	10+52	-	10+65.5	9TH ST EAST	11	--	--	3	
	10+52	-	10+74	8TH ST EAST	16	--	--	4	
	10+52	-	10+71	7TH ST EAST	15	--	--	4	
	1152+78 RT			DRIVEWAY	--	--	1	--	
STAGE 4 SUB TOTALS					149	0	1	40	
				TABLE TOTAL	-	-	-	294	
				PROJECT TOTALS	1075	823	137	*	

*SEE ADDITIONAL TACK COAT QUANTITY IN HMA PAVEMENT TABLE.

HMA PAVEMENT ITEMS

CAT. 0010					LOWER LAYER 460.6645 HMA PAVEMENT 5 MT 58-34 V	UPPER LAYER 460.6645 HMA PAVEMENT 5 MT 58-34 V	455.0605 * TACK COAT	
STAGE	STATION	-	STATION	LOCATION	TON	TON	GAL	COMMENT
NON STAGED	977+96	-	1116+45.5	LT & RT, STH 13	5127	---	2878	1.75-INCH LOWER LAYER WITH 5-FT SHOULDERS
	977+96	-	1116+45.5	LT & RT, STH 13	---	4395	2878	1.50-INCH UPPER LAYER WITH 5-FT SHOULDERS
	1060+87	-	1066+81	RT, STH 13 BYPASS	43	---	25	NORTHBOUND BYPASS LANE @ BINSFIELD RD
	1060+87	-	1066+81	RT, STH 13 BYPASS	---	37	25	NORTHBOUND BYPASS LANE @ BINSFIELD RD
	1036+87	-	1067+69	LT, STH 13 TURN LANE	29	---	17	SOUTHBOUND TURN LANE @ BINSFIELD RD
	1036+87	-	1067+69	LT, STH 13 TURN LANE	---	25	17	SOUTHBOUND TURN LANE @ BINSFIELD RD
	1115+77	-	1116+45.5	RT, STH 13 TAPER	3	---	2	NORTHBOUND TAPER TO TRANSVERSE SAWCUT
	1115+77	-	1116+45.5	RT, STH 13 TAPER	---	3	2	NORTHBOUND TAPER TO TRANSVERSE SAWCUT
	1115+77	-	1116+45.5	LT, STH 13 TAPER	5	---	3	SOUTHBOUND TAPER FROM SAWCUT
	1115+77	-	1116+45.5	LT, STH 13 TAPER	---	4	3	SOUTHBOUND TAPER FROM SAWCUT
	1116+45.5	-	1116+55	LT & RT, STH 13	26	---	4	THREE 2.75-INCH LOWER LAYERS
	1116+45.5	-	1116+55	LT & RT, STH 13	---	5	4	1.5-INCH UPPER LAYER
NON STAGED SUB TOTALS					5233	4468	5858	
STAGE 4	1117+77	-	1121+80	RT SHOULDER, 3-FOOT	15	---	---	2-INCH LOWER LAYER
	1117+77	-	1121+80	RT SHOULDER, 3-FOOT	---	15	8	2-INCH UPPER LAYER
STAGE 4 SUB TOTALS					15	15	8	
				TABLE TOTAL			5866	
				PROJECT HMA TOTAL	9,731		*	

*SEE ADDITIONAL TACK COAT QUANTITY IN ASPHALTIC SURFACE ITEMS TABLE.

TEMPORARY ASPHALTIC SURFACE, ASPHALTIC CURB

CAT. 0010					465.0125 ASPHALTIC SURFACE TEMPORARY	465.0310 ASPHALTIC CURB	
STAGE	STATION	-	STATION	LOCATION	TON	LF	COMMENT
STAGE 1A	1117+80	-	1126+40	RT, STH 13	134	---	PAVE 5' WITH TWO 2.5-INCH LIFTS FOR STAGE 1B TRAFFIC
	1122+20	-	1126+40	RT, STH 13	---	385	ADD 4-INCH LIP CURB TO 5-FT TEMP ASPHALT WIDENING
STAGE 1A SUB TOTALS					134	385	
STAGE 1B	1121+75	-	1125+25	RT, STH 13	61	---	PAVE 7' WITH TWO 2-INCH LIFTS FOR STAGE 3 TRAFFIC
	1128+05	-	1135+55	RT, STH 13	75	---	PAVE 4' WITH TWO 2-INCH LIFTS FOR STAGE 3 TRAFFIC
STAGE 1B SUB TOTALS					136	0	
STAGE 2A	1154+45	-	1170+45	STH 13 MEDIAN	161	-	PAVE 5' WITH TWO 2-INCH LIFTS FOR STAGE 2B TRAFFIC
STAGE 3	1118+15	-	1129+00	STH 13 MEDIAN	189	-	PAVE 7' WITH TWO 2-INCH LIFTS FOR STAGE 4 TRAFFIC
				PROJECT TOTALS	620	385	

ASPHALTIC RUMBLE STRIPS

CAT. 0010				465.0520 ASPHALTIC RUMBLE STRIPS, SHOULDER	465.0560 ASPHALTIC RUMBLE STRIPS, CENTERLINE	
STATION	-	STATION	LOCATION	LF	LF	COMMENT
979+12	-	1022+15	RT, STH 13	3743	-	LESS 7 ENTRANCES
1023+85	-	1027+94	RT, STH 13	329	-	LESS 1 ENTRANCE
979+72	-	1061+80	LT, STH 13	7728	-	LESS 6 ENTRANCES
980+36	-	1026+04	STH 13	-	4568	
1031+99	-	1035+60	RT, STH 13	361	-	
1032+98	-	1039+36	STH 13	-	638	
1037+51	-	1039+85	RT, STH 13	234	-	
1042+64	-	1060+39	RT, STH 13	1695	-	LESS 1 ENTRANCE
1043+36	-	1060+55	STH 13	-	1719	
1062+21	-	1065+90	RT, STH 13	369	-	
1065+24	-	1093+45	STH 13	-	2821	
1067+63	-	1094+08	RT, STH 13	2485	-	LESS 2 ENTRANCES
1067+70	-	1094+33	LT, STH 13	2663	-	
1096+30	-	1099+85	RT, STH 13	355	-	
1096+88	-	1099+85	LT, STH 13	297	-	
1097+45	-	1099+85	STH 13	-	240	
			PROJECT TOTALS	20,259	9,986	

CONCRETE COLLARS FOR PIPE

CAT. 0010			520.8000 CONCRETE COLLARS FOR PIPE
STAGE	STATION	LOCATION	EACH
STAGE 3	1116+84	STH 13 47' LT	1
	1117+69	STH 13 47' LT	1
	1135+52	STH 13 56' LT	1
	1139+15	STH 13 40' LT	1
	1153+49	STH 13 36' LT	1
STAGE 3 SUB TOTAL			5
STAGE 4	1139+07	STH 13 51' RT	1
	1146+51	STH 13 73' RT	1
STAGE 4 SUB TOTAL			2
		PROJECT TOTAL	7

CULVERT PIPE REINFORCED CONCRETE ITEMS

CAT. 0010		522.0130 CULVERT PIPE REINFORCED CONCRETE CL III 30-INCH	522.0136 CULVERT PIPE REINFORCED CONCRETE CL III 36-INCH	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH	650.6000 CONSTRUCTION STAKING PIPE CULVERTS	208.1500.S TEMPORARY LANE SHIFT DURING CULVERT WORK
STATION	LOCATION	LF	LF	EACH	EACH	EACH	EACH
1009+12	STH 13	62	-	2	-	1	1
1019+52	STH 13	-	132	-	4	1	1
1060+52	STH 13	60	-	2	-	1	1
PROJECT TOTALS		122	132	4	4	3	3

CONCRETE CURB & GUTTER ITEMS

CAT. 0010						204.0150 REMOVING CURB & GUTTER	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A	SPV.0090.04 CONCRETE CURB & GUTTER 4-INCH SLOPED 25-INCH TYPE R	650.5500 * CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER	SPV.0090.05 * CONCRETE CURB & GUTTER CURE AND SEAL TREATMENT	COMMENT
STAGE	STATION	-	STATION	LOCATION		LF	LF	LF	LF	LF	LF	LF	
STAGE 2A	09+39.3	-	09+70.2	6TH ST WEST	RT	-	43	-	-	-	43	43	SW RADIUS
	09+39.3	-	09+70.2	6TH ST WEST	LT	-	47	-	-	-	47	47	NW RADIUS
	09+30.6	-	09+39.3	6TH ST WEST	RT	9	-	9	-	-	9	9	
	09+30.6	-	09+39.3	6TH ST WEST	LT	9	-	9	-	-	9	9	
	1154+56	-	1157+22	STH 13	LT	-	266	-	-	-	-	266	
	09+49.2	-	09+69.2	5TH ST WEST	RT	31	31	-	-	-	31	31	SW RADIUS
	09+49.2	-	09+67.8	5TH ST WEST	LT	35	33	-	-	-	33	33	NW RADIUS
	09+37.5	-	09+49.2	5TH ST WEST	RT	12	-	12	-	-	12	12	
	09+37.5	-	09+49.2	5TH ST WEST	LT	12	-	12	-	-	12	12	
	1158+10	-	1161+27	STH 13	LT	-	317	-	-	-	-	317	
	09+48.5	-	09+68.5	DEPOT DRIVE	RT	-	31	-	-	-	31	31	SW RADIUS
	09+48.5	-	09+68.5	DEPOT DRIVE	LT	-	31	-	-	-	31	31	NW RADIUS
	09+34.2	-	09+48.5	DEPOT DRIVE	RT	14	-	14	-	-	14	14	
	09+34.2	-	09+48.5	DEPOT DRIVE	LT	14	-	14	-	-	14	14	
	1162+05	-	1164+56	STH 13	LT	-	251	-	-	-	-	251	
	09+48.2	-	09+68.2	3RD ST WEST	RT	-	32	-	-	-	32	32	SW RADIUS
	09+48.2	-	09+68.8	3RD ST WEST	LT	-	32	-	-	-	32	32	NW RADIUS
	09+39.0	-	09+48.2	3RD ST WEST	RT	9	-	9	-	-	9	9	
	09+39.0	-	09+48.2	3RD ST WEST	LT	9	-	9	-	-	9	9	
	1165+40	-	1168+22	STH 13	LT	-	282	-	-	-	-	282	
	09+48.4	-	09+68.4	MAIN ST WEST	RT	-	32	-	-	-	32	32	SW RADIUS
	09+48.6	-	09+68.6	MAIN ST WEST	LT	-	32	-	-	-	32	32	NW RADIUS
	09+38.4	-	09+48.4	MAIN ST WEST	RT	10	-	10	-	-	10	10	
	09+38.4	-	09+48.6	MAIN ST WEST	LT	10	-	10	-	-	10	10	
	1169+08	-	1171+97	STH 13	LT	-	289	-	-	-	-	289	
STAGE 2A SUB TOTALS						174	1748	108	0	0	451	1855	
STAGE 2B	10+31.4	-	10+64.6	6TH ST EAST	RT	3	50	-	-	-	50	50	SE RADIUS
	10+32.1	-	10+64.6	6TH ST EAST	LT	3	50	-	-	-	50	50	NE RADIUS
	10+64.6	-	10+81.7	6TH ST EAST	RT	17	-	17	-	-	17	17	
	10+64.6	-	10+81.7	6TH ST EAST	LT	17	-	17	-	-	17	17	
	1154+56	-	1157+27	STH 13	RT	-	271	-	-	-	-	271	
	10+31.7	-	10+51.7	5TH ST EAST	RT	32	32	-	-	-	32	32	SE RADIUS
	10+31.3	-	10+51.7	5TH ST EAST	LT	32	32	-	-	-	32	32	NE RADIUS
	10+51.7	-	10+61.3	5TH ST EAST	RT	10	-	10	-	-	10	10	
	10+51.7	-	10+61.3	5TH ST EAST	LT	10	-	10	-	-	10	10	
	1158+07	-	1164+57	STH 13	RT	-	650	-	-	-	-	650	
	10+31.2	-	10+56.8	3RD ST EAST	RT	-	37	-	-	-	37	37	SE RADIUS
	10+31.8	-	10+56.8	3RD ST EAST	LT	-	39	-	-	-	39	39	NE RADIUS
	10+56.8	-	10+61.2	3RD ST EAST	RT	4	-	4	-	-	4	4	
	10+56.8	-	10+61.2	3RD ST EAST	LT	4	-	4	-	-	4	4	
	1165+46	-	1168+22	STH 13	RT	-	276	-	-	-	-	276	
	10+31.4	-	10+61.6	MAIN ST EAST	RT	-	42	-	-	-	42	42	SE RADIUS
	10+31.6	-	10+61.6	MAIN ST EAST	LT	-	47	-	-	-	47	47	NE RADIUS
	10+61.6	-	10+70.3	MAIN ST EAST	RT	9	-	9	-	-	9	9	
	10+61.6	-	10+70.3	MAIN ST EAST	LT	9	-	9	-	-	9	9	
	1169+18	-	1171+97	STH 13	RT	-	279	-	-	-	-	279	
STAGE 2B SUB TOTALS						150	1805	80	0	0	409	1885	

CONCRETE CURB & GUTTER ITEMS - CONTINUED

CAT. 0010						204.0150 REMOVING CURB & GUTTER	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A	SPV.0090.04 CONCRETE CURB & GUTTER 4-INCH SLOPED 25-INCH TYPE R	650.5500 * CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER	SPV.0090.05 * CONCRETE CURB & GUTTER CURE AND SEAL TREATMENT	COMMENT
STAGE	STATION	-	STATION	LOCATION		LF	LF	LF	LF	LF	LF	LF	
STAGE 2C	1154+56	-	1154+88	MEDIAN NB & SB		-	-	-	-	64	-	64	
	1156+80	-	1157+12	MEDIAN NB & SB		-	-	-	-	64	-	64	
	1158+23.5	-	1158+55	MEDIAN NB & SB		-	-	-	-	63	-	63	
	1160+78	-	1161+09.5	MEDIAN NB & SB		-	-	-	-	63	-	63	
	1162+21.5	-	1162+57	MEDIAN NB		-	-	-	-	36	-	36	
	1164+11	-	1164+42	MEDIAN NB & SB		-	-	-	-	62	-	62	
	1165+54.5	-	1165+86	MEDIAN NB & SB		-	-	-	-	63	-	63	
	1167+77	-	1168+09	MEDIAN NB & SB		-	-	-	-	64	-	64	
	1169+20.5	-	1169+52	MEDIAN NB & SB		-	-	-	-	63	-	63	
	1154+88	-	1171+85.5	MEDIAN		-	-	-	2641	-	-	2641	
STAGE 2C SUB TOTALS						0	0	0	2641	542	0	3183	
STAGE 3	1116+55	-	1116+97	STH 13 RADIUS	LT	43	-	48	-	-	48	48	NORTHLAND COLLEGE MAIN ENTRANCE
	1117+79	-	1118+19	STH 13 RADIUS	LT	45	-	45	-	-	45	45	NORTHLAND COLLEGE MAIN ENTRANCE
	1118+19	-	1118+59	STH 13 TAPER	LT	40	-	40	-	-	40	40	ASPHALT TAPER TO CONC PAVEMENT
	1118+59	-	1121+64	STH 13	LT	-	305	-	-	-	-	305	
	1121+64	-	1121+89	STH 13 RADIUS	LT	37	-	39	-	-	39	39	NORTHLAND COLLEGE S. ENTRANCE
	1122+13	-	1122+38	STH 13 RADIUS	LT	37	-	39	-	-	39	39	NORTHLAND COLLEGE S. ENTRANCE
	1122+38	-	1129+52	STH 13	LT	-	714	-	-	-	-	714	
	1126+27	-	1127+37	STH 13	LT	110	-	-	-	-	-	-	EXISTING ASPHALT ONLY OVER BOX CULV
	1129+52	-	1129+82	STH 13 RADIUS	LT	47	45	-	-	-	45	45	NORTHLAND COLLEGE N. ENTRANCE
	1130+25	-	1130+58	STH 13 RADIUS	LT	48	48	-	-	-	48	48	NORTHLAND COLLEGE N. ENTRANCE
	1130+58	-	1131+66	STH 13	LT	-	108	-	-	-	-	108	
	9+48	-	9+68	12TH ST WEST	RT	30	31	-	-	-	31	31	SW RADIUS
	9+48	-	9+68	12TH ST WEST	LT	30	31	-	-	-	31	31	NW RADIUS
	9+00	-	9+48	12TH ST WEST	RT	48	-	48	-	-	48	48	
	9+00	-	9+48	12TH ST WEST	LT	48	-	48	-	-	48	48	
	1132+39	-	1135+32	STH 13	LT	-	293	-	-	-	-	293	
	9+48	-	9+68	11TH ST WEST	RT	31	31	-	-	-	31	31	SW RADIUS
	9+48	-	9+68	11TH ST WEST	LT	32	32	-	-	-	32	32	NW RADIUS
	9+32.5	-	9+48	11TH ST WEST	RT	16	-	16	-	-	16	16	
	9+32.5	-	9+48	11TH ST WEST	LT	16	-	16	-	-	16	16	
	1136+08	-	1139+06	STH 13	LT	-	298	-	-	-	-	298	
	9+49.7	-	9+68	10TH ST WEST	RT	25	26	-	-	-	26	26	SW RADIUS
	9+49.7	-	9+68	10TH ST WEST	LT	27	27	-	-	-	27	27	NW RADIUS
	9+28	-	9+49.7	10TH ST WEST	RT	22	-	22	-	-	22	22	
	9+28	-	9+49.7	10TH ST WEST	LT	22	-	22	-	-	22	22	
	1139+69	-	1142+69	STH 13	LT	-	300	-	-	-	-	300	
	9+50.3	-	9+67.7	9TH ST WEST	RT	26	26	-	-	-	26	26	SW RADIUS
	9+50.3	-	9+68.3	9TH ST WEST	LT	26	26	-	-	-	26	26	NW RADIUS
	9+15.0	-	9+50.3	9TH ST WEST	RT	36	-	36	-	-	36	36	
	9+15.0	-	9+50.3	9TH ST WEST	LT	36	-	36	-	-	36	36	
	1143+35	-	1146+37	STH 13	LT	-	302	-	-	-	-	302	
	9+47	-	9+68	8TH ST WEST	RT	30	30	-	-	-	30	30	SW RADIUS
	9+47	-	9+68	8TH ST WEST	LT	30	30	-	-	-	30	30	NW RADIUS
	9+29	-	9+47	8TH ST WEST	RT	18	-	18	-	-	18	18	
	9+29	-	9+47	8TH ST WEST	LT	18	-	18	-	-	18	18	
	1146+99	-	1150+02	STH 13	LT	-	303	-	-	-	-	303	
	9+47	-	9+68	7TH ST WEST	RT	30	30	-	-	-	30	30	SW RADIUS
	9+47	-	9+68	7TH ST WEST	LT	30	30	-	-	-	30	30	NW RADIUS
	9+31	-	9+47	7TH ST WEST	RT	16	-	16	-	-	16	16	
	9+31	-	9+47	7TH ST WEST	LT	16	-	16	-	-	16	16	
	1150+68	-	1153+49	STH 13	LT	-	281	-	-	-	-	281	
STAGE 3 SUB TOTALS						1066	3347	521	0	0	964	3868	

CONCRETE CURB & GUTTER ITEMS - CONTINUED

CAT. 0010						204.0150 REMOVING CURB & GUTTER	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A	SPV.0090.04 CONCRETE CURB & GUTTER 4-INCH SLOPED 25-INCH TYPE R	650.5500 * CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER	SPV.0090.05 * CONCRETE CURB & GUTTER CURE AND SEAL TREATMENT	COMMENT
STAGE	STATION	-	STATION	LOCATION		LF	LF	LF	LF	LF	LF	LF	
STAGE 4	10+27	-	10+55	16TH ST EAST	RT	45	-	43	-	-	43	43	SE RADIUS
	10+28	-	10+55	16TH ST EAST	LT	43	-	40	-	-	40	40	NE RADIUS
	1121+80	-	1131+69	STH 13	RT	-	989	-	-	-	-	989	
	1126+27	-	1127+37	STH 13	RT	110	-	-	-	-	-	-	EXISTING ASPHALT ONLY OVER BOX CULV
	10+32	-	10+52	12TH ST EAST	RT	29	30	-	-	-	30	30	SE RADIUS
	10+32	-	10+52	12TH ST EAST	LT	20	31	-	-	-	31	31	NE RADIUS
	10+52	-	10+90	12TH ST EAST	RT	-	-	38	-	-	38	38	
	10+52	-	10+90	12TH ST EAST	LT	-	-	38	-	-	38	38	
	1132+40	-	1135+32	STH 13	RT	-	292	-	-	-	-	292	
	10+32	-	10+52	11TH ST EAST	RT	29	29	-	-	-	29	29	SE RADIUS
	10+32	-	10+52	11TH ST EAST	LT	31	31	-	-	-	31	31	NE RADIUS
	10+52	-	10+80	11TH ST EAST	RT	28	-	28	-	-	28	28	
	10+52	-	10+80	11TH ST EAST	LT	28	-	28	-	-	28	28	
	1136+08	-	1139+03	STH 13	RT	-	295	-	-	-	-	295	
	10+32	-	10+52.6	10TH ST EAST	RT	29	29	-	-	-	29	29	SE RADIUS
	10+32	-	10+52.6	10TH ST EAST	LT	29	29	-	-	-	29	29	NE RADIUS
	10+52.6	-	10+75	10TH ST EAST	RT	22	-	22	-	-	22	22	
	10+52.6	-	10+75	10TH ST EAST	LT	22	-	22	-	-	22	22	
	1139+69	-	1142+69	STH 13	RT	-	300	-	-	-	-	300	
	10+32	-	10+52	9TH ST EAST	RT	28	28	-	-	-	28	28	SE RADIUS
	10+32	-	10+52	9TH ST EAST	LT	29	29	-	-	-	29	29	NE RADIUS
	10+52	-	10+65.5	9TH ST EAST	RT	14	-	14	-	-	14	14	
	10+52	-	10+65.5	9TH ST EAST	LT	14	-	14	-	-	14	14	
	1143+35	-	1146+40	STH 13	RT	-	305	-	-	-	-	305	
	10+32	-	10+52	8TH ST EAST	RT	25	25	-	-	-	25	25	SE RADIUS
	10+32	-	10+52	8TH ST EAST	LT	29	29	-	-	-	29	29	NE RADIUS
	10+52	-	10+74	8TH ST EAST	RT	22	-	22	-	-	22	22	
	10+52	-	10+74	8TH ST EAST	LT	22	-	22	-	-	22	22	
	1147+01	-	1150+02	STH 13	RT	-	301	-	-	-	-	301	
	10+32	-	10+52	7TH ST EAST	RT	29	29	-	-	-	29	29	SE RADIUS
	10+32	-	10+52	7TH ST EAST	LT	29	29	-	-	-	29	29	NE RADIUS
	10+52	-	10+71	7TH ST EAST	RT	19	-	19	-	-	19	19	
	10+52	-	10+71	7TH ST EAST	LT	19	-	19	-	-	19	19	
	1150+68	-	1153+43	STH 13	RT	-	275	-	-	-	-	275	
STAGE 4 SUB TOTALS						744	3105	369	0	0	717	3474	
STAGE 5	1118+25	-	1152+56	MEDIAN NB & SB		-	-	-	5687	-	-	5687	
STAGE 5 SUB TOTALS						0	0	0	5687	0	0	5687	
				TABLE TOTALS							2,541	19,952	
				PROJECT TOTALS		2,134	10,004	1,078	8,328	542	*	*	

* SEE ADDITIONAL PROJECT QUANTITIES IN CONCRETE PEDESTRIAN CURB TABLE.

CONCRETE SIDEWALK ITEMS

CAT. 0010					204.0155 REMOVING CONCRETE SIDEWALK	209.1100 BACKFILL GRANULAR GRADE 1	602.0405 CONCRETE SIDEWALK 4-INCH	602.0415 CONCRETE SIDEWALK 6-INCH	650.9500 CONSTRUCTION STAKING SIDEWALK	SPV.0165.01 CONCRETE SIDEWALK CURE AND SEAL TREATMENT	COMMENT
STAGE	STATION	- STATION	LOCATION		SY	CY	SF	SF	EACH	SF	
STAGE 2A	1153+46	- 1154+57	LT, STH 13		79	12	892	---	---	892	CURB RAMPS AT 6TH ST WEST
	1155+78	- 1156+06	LT, STH 13		34	6	---	456	---	456	TRI-COUNTY CORRIDOR TRAIL CROSSING
	1157+19	- 1158+11	LT, STH 13		52	7	488	---	---	488	CURB RAMPS AT 5TH ST WEST
	1161+21	- 1162+05	LT, STH 13		37	7	496	---	---	496	CURB RAMPS AT DEPOT DRIVE
	1163+31	- 1163+63	LT, STH 13		28	2	128	---	---	128	EACH END OF PARKING LOT ENTRANCE
	1164+51	- 1165+44	LT, STH 13		56	10	744	---	---	744	CURB RAMPS AT 3RD ST WEST
	1165+80	- 1166+31	LT, STH 13		45	2	128	---	---	128	EACH END OF COMMERCIAL ENTRANCE
	1168+15	- 1169+15	LT, STH 13		67	11	819	---	---	819	CURB RAMPS AT MAIN ST WEST
STAGE 2A SUB TOTALS					398	57	3695	456	0	4151	
STAGE 2B	1153+43	- 1154+54	RT, STH 13		90	13	1035	---	---	1035	CURB RAMPS AT 6TH ST EAST
	1155+78	- 1156+06	RT, STH 13		39	8	---	613	---	613	TRI-COUNTY CORRIDOR & MEDIAN CROSSING
	1157+18	- 1158+11	RT, STH 13		62	9	662	---	---	662	CURB RAMPS AT 5TH ST EAST
	1159+20	- 1159+81	RT, STH 13		52	2	128	---	---	128	EACH END OF WIDENED COMMERCIAL ENTRANCE
	1164+53	- 1165+48	RT, STH 13		56	9	728	---	---	728	CURB RAMPS AT 3RD ST EAST
	1168+08	- 1169+29	RT, STH 13		115	15	1212	---	---	1212	CURB RAMPS AT MAIN ST EAST
STAGE 2B SUB TOTALS					414	56	3765	613	0	4378	
STAGE 3	1122+16	- 1128+47	LT, STH 13		426	53	4236	---	---	4236	INCLUDES EXISTING TO BUILDINGS
		1132+57	LT, STH 13		3	1	23	---	---	23	CARRIAGE WALK
		1133+82	LT, STH 13		4	1	31	---	---	31	CARRIAGE WALK
	1128+83	- 1129+08	LT, STH 13		19	4	272	---	---	272	CURB RAMP FOR MID-BLOCK CROSSING
	1129+48	- 1130+59	LT, STH 13		39	6	417	---	---	417	CURB RAMPS AT NORTH COLLEGE ENTRANCE
	1131+61	- 1132+55	LT, STH 13		33	7	530	---	---	530	CURB RAMPS AT 12TH ST WEST
		1133+52	LT, STH 13		3	1	23	---	---	23	CARRIAGE WALK
		1134+92	LT, STH 13		5	1	43	---	---	43	CARRIAGE WALK
	1135+27	- 1136+11	LT, STH 13		41	6	479	---	---	479	CURB RAMPS AT 11TH ST WEST
		1136+84	LT, STH 13		3	1	24	---	---	24	CARRIAGE WALK
	1137+36	- 1137+58	LT, STH 13		13	1	60	---	---	60	EACH END OF PRIVATE ENTRANCE
		1137+78	LT, STH 13		4	1	34	---	---	34	CARRIAGE WALK
		1138+28	LT, STH 13		4	1	32	---	---	32	CARRIAGE WALK
	1138+95	- 1139+81	LT, STH 13		62	9	706	---	---	706	CURB RAMPS AT 10TH ST WEST
		1140+11	LT, STH 13		4	1	33	---	---	33	CARRIAGE WALK
	1142+61	- 1141+91	LT, STH 13		4	1	33	---	---	33	CARRIAGE WALK
		1142+38	LT, STH 13		4	1	33	---	---	33	CARRIAGE WALK
	1142+61	- 1143+43	LT, STH 13		47	8	568	---	---	568	CURB RAMPS AT 9TH ST WEST
		1143+56	LT, STH 13		5	1	38	---	---	38	CARRIAGE WALK
		1144+29	LT, STH 13		4	1	30	---	---	30	CARRIAGE WALK
		1145+00	LT, STH 13		4	1	31	---	---	31	CARRIAGE WALK
	1146+22	- 1147+09	LT, STH 13		54	9	705	---	---	705	CURB RAMPS AT 8TH ST WEST
		1147+57	LT, STH 13		3	1	20	---	---	20	CARRIAGE WALK
		1148+14	LT, STH 13		4	1	36	---	---	36	CARRIAGE WALK
		1148+80	LT, STH 13		3	1	24	---	---	24	CARRIAGE WALK
		1149+10	LT, STH 13		4	1	29	---	---	29	CARRIAGE WALK
		1149+49	LT, STH 13		6	1	51	---	---	51	CARRIAGE WALK
		1149+73	LT, STH 13		6	1	53	---	---	53	CARRIAGE WALK
		1150+94	LT, STH 13		4	1	28	---	---	28	CARRIAGE WALK
		1151+38	LT, STH 13		4	1	28	---	---	28	CARRIAGE WALK
		1151+99	LT, STH 13		3	1	23	---	---	23	CARRIAGE WALK
		1152+42	LT, STH 13		4	1	33	---	---	33	CARRIAGE WALK
	1149+85	- 1150+75	LT, STH 13		55	9	695	---	---	695	CURB RAMPS AT 7TH ST WEST
STAGE 3 SUB TOTALS					881	135	9401	0	0	9401	

CONCRETE SIDEWALK ITEMS - CONTINUED

CAT. 0010					204.0155 REMOVING CONCRETE SIDEWALK	209.1100 BACKFILL GRANULAR GRADE 1	602.0405 CONCRETE SIDEWALK 4-INCH	602.0415 CONCRETE SIDEWALK 6-INCH	650.9500 CONSTRUCTION STAKING SIDEWALK	SPV.0165.01 CONCRETE SIDEWALK CURE AND SEAL TREATMENT	COMMENT
STAGE	STATION	- STATION	LOCATION		SY	CY	SF	SF	EACH	SF	
STAGE 4	1124+18	- 1124+45	RT, STH 13		32	7	514	---	---	514	INCLUDES MEDIAN CROSSING
	1128+83	- 1129+08	RT, STH 13		15	4	312	---	---	312	INCLUDES MEDIAN CROSSING
		1130+25	RT, STH 13		4	---	---	---	---	---	REMOVE CARRIAGE WALK
		1131+47	RT, STH 13		5	---	---	---	---	---	REMOVE CARRIAGE WALK
	1131+63	- 1132+50	RT, STH 13		34	7	501	---	---	501	CURB RAMPS AT 12TH ST EAST
		1133+03	RT, STH 13		4	1	35	---	---	35	CARRIAGE WALK
		1133+89	RT, STH 13		4	1	32	---	---	32	CARRIAGE WALK
		1134+42	RT, STH 13		4	1	32	---	---	32	CARRIAGE WALK
		1135+03	RT, STH 13		4	1	36	---	---	36	CARRIAGE WALK
	1135+28	- 1136+13	RT, STH 13		39	7	498	---	---	498	CURB RAMPS AT 11TH ST EAST
	1138+84	- 1139+79	RT, STH 13		34	7	503	---	---	503	CURB RAMPS AT 10TH ST EAST
		1140+28	RT, STH 13		2	1	18	---	---	18	CARRIAGE WALK
		1142+06	RT, STH 13		4	1	36	---	---	36	CARRIAGE WALK
		1142+40	RT, STH 13		4	1	29	---	---	29	CARRIAGE WALK
	1142+61	- 1143+43	RT, STH 13		44	7	527	---	---	527	CURB RAMPS AT 9TH ST EAST
		1143+77	RT, STH 13		4	1	30	---	---	30	CARRIAGE WALK
		1144+05	RT, STH 13		5	1	40	---	---	40	CARRIAGE WALK
		1144+70	RT, STH 13		6	1	48	---	---	48	CARRIAGE WALK
		1145+02	RT, STH 13		5	1	44	---	---	44	CARRIAGE WALK
		1145+69	RT, STH 13		4	1	32	---	---	32	CARRIAGE WALK
	1146+27	- 1147+09	RT, STH 13		53	9	668	---	---	668	CURB RAMPS AT 8TH ST EAST
		1147+75	RT, STH 13		3	1	23	---	---	23	CARRIAGE WALK
		1148+28	RT, STH 13		4	1	30	---	---	30	CARRIAGE WALK
		1148+82	RT, STH 13		4	1	32	---	---	32	CARRIAGE WALK
		1149+76	RT, STH 13		4	1	29	---	---	29	CARRIAGE WALK
	1149+84	- 1150+75	RT, STH 13		44	9	699	---	---	699	CURB RAMPS AT 7TH ST EAST
	1152+37	- 1152+91	RT, STH 13		43	4	300	---	---	300	COURTESY LANDING + EACH END OF ENTRANCE
STAGE 4 SUB TOTALS					412	77	5048	0	0	5048	
			PROJECT		---	---	---	---	1	---	PROJECT WIDE
			PROJECT 1610-00-77 TOTALS		2,105	325	21,909	1,069	1	22,978	

CURB RAMP DWF YELLOW

CAT. 0010 STAGE	STATION	LOCATION	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	COMMENT
STAGE 2A	1153+58.7	LT, STH 13	10	1	
	9+50.8	LT	12	1	6TH ST WEST
	9+54.4	RT	12	1	6TH ST WEST
	1154+37.5	LT, STH 13	10	1	
	1155+92.5	LT, STH 13	20	1	AT TRI-COUNTY TRAIL
	1157+31.5	LT, STH 13	10	1	
	9+55.6	LT	16	1	SUPER ONE ENTRANCE
	9+56.5	RT	16	1	SUPER ONE ENTRANCE
	1157+98.5	LT, STH 13	10	1	
	9+56	LT	16	1	DEPOT DRIVE
	9+56	RT	16	1	DEPOT DRIVE
	1164+65	LT, STH 13	12	1	
	9+57.4	LT	16	1	3RD ST WEST
	9+55.0	RT	16	1	3RD ST WEST
	1165+32	LT, STH 13	12	1	
	1168+30	LT, STH 13	12	1	
	9+53.5	LT	16	1	MAIN ST WEST
	9+56.8	RT	16	1	MAIN ST WEST
	1168+99	LT, STH 13	16	1	
STAGE 2A SUB TOTALS			264	19	
STAGE 2B	1153+55.5	RT, STH 13	10	1	
	10+51.4	LT	12	1	6TH ST EAST
	10+44	RT	12	1	6TH ST EAST
	1154+37.5	RT, STH 13	10	1	
	1155+92.5	RT, STH 13	20	1	AT TRI-COUNTY TRAIL
	1157+36.5	RT, STH 13	10	1	
	10+44	LT	16	1	5TH ST EAST
	10+44	RT	16	1	5TH ST EAST
	1157+97.5	RT, STH 13	10	1	
	1164+65	RT, STH 13	12	1	
	10+44	LT	16	1	3RD ST EAST
	10+44	RT	16	1	3RD ST EAST
	1165+35	RT, STH 13	12	1	
	1168+30	RT, STH 13	12	1	
	10+50.3	LT	16	1	MAIN ST EAST
	10+49.3	RT	16	1	MAIN ST EAST
	1169+04	RT, STH 13	16	1	
STAGE 2B SUB TOTALS			232	17	
STAGE 2C	1155+92.5	STH 13	40	2	TWO IN MEDIAN
STAGE 3	9+69	LT	21	1	SOUTH COLLEGE ENTRANCE
	1124+26	LT, STH 13	14	1	AT BROWNELL BUILDING
	1128+95.5	LT, STH 13	10	1	AT ATHLETIC FIELDS
	9+56	LT	20	1	NORTH COLLEGE ENTRANCE
	9+56	RT	18	1	NORTH COLLEGE ENTRANCE
	1131+75.5	LT, STH 13	10	1	
	9+56	LT	14	1	12TH ST WEST
	9+56	RT	14	1	12TH ST WEST
	1132+30.5	LT, STH 13	10	1	
	1135+41.5	LT, STH 13	10	1	

CURB RAMP DWF YELLOW - CONTINUED

CAT. 0010 STAGE	STATION	LOCATION	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	COMMENT
	9+55.5	LT	12	1	11TH ST WEST
	9+55.5	RT	12	1	11TH ST WEST
	1135+99	LT, STH 13	12	1	
	1139+08	LT, STH 13	10	1	
	9+55.5	LT	12	1	10TH ST WEST
	9+55.5	RT	12	1	10TH ST WEST
	1139+63.5	LT, STH 13	10	1	
	1142+73.5	LT, STH 13	10	1	
	9+54.5	LT	12	1	9TH ST WEST
	9+54.5	RT	12	1	9TH ST WEST
	1143+30	LT, STH 13	12	1	
	1146+40.3	LT, STH 13	12	1	
	9+54.5	LT	12	1	8TH ST WEST
	9+54.5	RT	12	1	8TH ST WEST
	1146+96	LT, STH 13	12	1	
	1150+07	LT, STH 13	12	1	
	9+54.5	LT	12	1	7TH ST WEST
	9+54.5	RT	12	1	7TH ST WEST
	1150+62.5	LT, STH 13	10	1	
STAGE 3 SUB TOTALS			361	29	
STAGE 4	1124+26	RT, STH 13	14	1	AT BROWNELL BUILDING
	1128+95.5	RT, STH 13	10	1	AT ATHLETIC FIELDS
	1131+75.5	RT, STH 13	10	1	
	10+44.5	LT	12	1	12TH ST EAST
	10+44.5	RT	12	1	12TH ST EAST
	1132+30.5	RT, STH 13	10	1	
	1135+41.5	RT, STH 13	10	1	
	10+44.5	LT	12	1	11TH ST EAST
	10+44.5	RT	12	1	11TH ST EAST
	1135+99	RT, STH 13	12	1	
	1139+08	RT, STH 13	10	1	
	10+44.5	LT	12	1	10TH ST EAST
	10+44.5	RT	12	1	10TH ST EAST
	1139+63.5	RT, STH 13	10	1	
	1142+73.5	RT, STH 13	10	1	
	10+44.5	LT	12	1	9TH ST EAST
	10+44.5	RT	12	1	9TH ST EAST
	1143+30.5	RT, STH 13	10	1	
	1146+40.3	RT, STH 13	12	1	
	10+44.5	LT	12	1	8TH ST EAST
	10+44.5	RT	12	1	8TH ST EAST
	1146+96	RT, STH 13	12	1	
	1150+06	RT, STH 13	12	1	
	10+44.5	LT	12	1	7TH ST EAST
	10+44.5	RT	12	1	7TH ST EAST
	1150+62.5	RT, STH 13	10	1	
STAGE 4 SUB TOTALS			296	26	
STAGE 5	1124+26	STH 13	28	2	TWO IN MEDIAN
	1128+95.5	STH 13	20	2	TWO IN MEDIAN
STAGE 5 SUB TOTALS			48	4	
PROJECT TOTALS			1,241	97	

CONCRETE CURB PEDESTRIAN ITEMS

CAT. 0010					601.0600 CONCRETE CURB PEDESTRIAN	650.5500 * CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER	SPV.0090.05 * CONCRETE CURB AND GUTTER CURE AND SEAL TREATMENT
STAGE	STATION	-	STATION	LOCATION	LF	LF	LF
STAGE 2B	1157+08	-	1157+34	LT, STH 13	26	26	26
STAGE 2C	1155+87	-	1155+97	MEDIAN, STH 13	34	34	34
STAGE 3	1132+24	-	1132+52	LT, STH 13	28	28	28
	10+48	-	10+68	LT, 10TH ST	20	20	20
	1149+85	-	1150+04	LT, STH 13	19	19	19
	1150+65	-	1150+75	LT, STH 13	10	10	10
STAGE 3 SUB TOTALS					77	77	77
STAGE 4	1139+66	-	1139+73	RT, STH 13	7	7	7
	1146+26	-	1146+37	RT, STH 13	11	11	11
	10+48	-	10+59	RT, 8TH ST	11	11	11
	9+41	-	9+51	RT, 7TH ST	10	10	10
STAGE 4 SUB TOTALS					39	39	39
STAGE 5	1124+22	-	1124+30	MEDIAN, STH 13	18	18	18
	1128+93	-	1128+98	MEDIAN, STH 13	18	18	18
STAGE 5 SUB TOTALS					36	36	36
				TABLE TOTALS		212	212
				PROJECT TOTAL	212	*	*

*SEE ADDITIONAL PROJECT QUANTITIES IN CONCRETE CURB & GUTTER ITEMS TABLE.

RIPRAP ITEMS

CAT. 0010						606.0200 RIPRAP MEDIUM	645.0120 GEOTEXTILE FABRIC TYPE HR	COMMENT
STAGE	STATION	-	STATION	LOCATION		CY	SY	
NON STAGED	1009+07	-	1009+22	RT	STH 13	6	19	17' x 6.5' FLUME
	1019+39	-	1019+60	RT	STH 13	24	62	28' x 15.5' FLUME
	1060+50	-	1060+57	RT	STH 13	4	14	10' x 7.5' FLUME
NON STAGED SUB TOTALS						34	95	
STAGE 1A	1125+42	-	1125+56	RT	STH 13	6	19	14' x 8' FLUME
	1126+75	-	1126+88	RT	STH 13	4.5	15	10' x 8' FLUME
STAGE 1A SUB TOTALS						10.5	34	
STAGE 4	1117+66	-	1117+74	RT	STH 13	4.5	15	10' x 8' FLUME
					PROJECT TOTALS	49	144	

CONCRETE DRIVEWAY ITEMS

CAT. 0010			602.0810 CONCRETE DRIVEWAY 6-INCH	602.0860 CONCRETE DRIVEWAY HES 6-INCH	204.0100 * REMOVING CONCRETE PAVEMENT	SPV.0180.01 CONCRETE DRIVEWAY CURE AND SEAL TREATMENT	COMMENT
STAGE	STATION	LOCATION	SY	SY	SY	SY	
STAGE 2A	1155+55	LT, STH 13	36	36	38	36	
	1162+97	LT, STH 13	26	---	25	26	
	1163+47	LT, STH 13	34	---	---	34	EXISTING ASPHALT ENTRANCE
	1166+03	LT, STH 13	61	---	---	61	EXISTING ASPHALT ENTRANCE
	1167+17	LT, STH 13	23	---	21	23	
	1170+42	LT, STH 13	32	32	34	32	
STAGE 2A SUB TOTALS			212	68	118	212	
STAGE 2B	1155+56	RT, STH 13	35	---	41	35	
	1159+50	RT, STH 13	85	---	---	85	EXISTING ASPHALT ENTRANCE
	1161+66	RT, STH 13	26	---	---	26	EXISTING ASPHALT ENTRANCE
	1163+03	RT, STH 13	24	---	---	24	EXISTING ASPHALT ENTRANCE
	1167+02	RT, STH 13	35	---	---	35	EXISTING ASPHALT ENTRANCE
	1170+03	RT, STH 13	32	32	44	32	
	1171+50	RT, STH 13	30	---	43	30	
STAGE 2B SUB TOTALS			267	32	128	267	
STAGE 3	1128+26	LT, STH 13	85	---	---	85	EXISTING ASPHALT & SIDEWALK
	1130+04	LT, STH 13	182	---	161	182	NORTH COLLEGE ENTRANCE
	1132+89	LT, STH 13	17	---	20	17	
	1137+48	LT, STH 13	27	---	15	27	
	1141+45	LT, STH 13	18	---	14	18	
STAGE 3 SUB TOTALS			329	0	210	329	
STAGE 4	1124+79	RT, STH 13	73	---	74	73	
	1129+63	RT, STH 13	38	---	20	38	
	1130+67	RT, STH 13	---	---	15	---	EXISTING ENTRANCE REMOVED
	1141+18	RT, STH 13	17	---	12	17	
	1152+78	RT, STH 13	32	---	18	32	
STAGE 4 SUB TOTALS			160	0	139	160	
		TABLE TOTAL			595		
		PROJECT TOTALS	968	100	*	968	

*SEE ADDITIONAL QUANTITY IN REMOVING CONCRETE PAVEMENT TABLE.

STEPS AND RAILING

CAT. 0010			602.1500 CONCRETE STEPS	513.2001 RAILING PIPE
STAGE	STATION	LOCATION	SF	LF
STAGE 3	1124+25	LT	89	6.1
STAGE 4	1124+25	RT	61	2.1
	1139+75	RT	19	2.1
STAGE 4 SUB TOTAL			80	4.2
		PROJECT TOTAL	169	10.3

STORM SEWER PIPES

CAT. 0010					608.0412	608.0415	608.0418	608.0424	608.0436	608.2424	608.2429	608.3012	608.3015	608.3018	608.3024	608.3030	SPV.0090.02	JOINT			
					STORM SEWER PIPE REINFORCED CONCRETE CLASS IV					STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL C LASS HE-IV		STORM SEWER PIPE CLASS III-A					STORM SEWER PIPE PVC	TIES*			
	FROM	-	TO	LOCATION	12-INCH LF	15-INCH LF	18-INCH LF	24-INCH LF	36-INCH LF	24X38-INCH LF	29X45-INCH LF	12-INCH LF	15-INCH LF	18-INCH LF	24-INCH LF	30-INCH LF	6-INCH LF	EACH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
STAGE 1A	4	-	5	STH 13											20				687.65	686.50	0.0590
	5	-	6	STH 13											53				681.80	674.00	0.1502
	11	-	10	STH 13												144			680.00	670.00	0.0697
	12	-	11	STH 13												20			683.00	681.50	0.0739
STAGE 1A SUB TOTAL					-	-	-	-	-	-	-	-	-	-	73	164	-	-			
STAGE 1B	2	-	3	STH 13											234				691.02	689.05	0.0084
	3	-	4	STH 13											102				689.05	687.65	0.0138
	13	-	12	STH 13												92			684.90	684.32	0.0063
	14	-	13	STH 13												139			685.83	684.90	0.0067
	15	-	14	STH 13												143			686.30	685.83	0.0033
	16	-	15	STH 13											64				687.00	686.80	0.0031
	17	-	16	STH 13											271				687.58	687.00	0.0021
	18	-	17	STH 13											24				687.68	687.58	0.0042
STAGE 1B SUB TOTAL					-	-	-	-	-	-	-	-	-	-	695	374	-	-			
STAGE 3	2B	-	2	STH 13										32					691.78	691.52	0.0082
	2C	-	2B	STH 13	17														693.57	693.50	0.0040
	2D	-	2C	STH 13	20														693.71	693.57	0.0070
	2E	-	2B	STH 13	39														693.77	693.50	0.0069
	3A	-	3	STH 13								28							690.15	689.80	0.0127
	4A	-	4	STH 13									28						688.62	688.40	0.0080
	12A	-	12	STH 13									29						684.79	684.45	0.0119
	12B	-	12A	STH 13								31							685.19	685.04	0.0049
	12C	-	12B	STH 13								10							685.24	685.19	0.0049
	13A	-	13	STH 13								32							685.86	685.59	0.0084
	13C	-	13A	STH 13								61							686.16	685.86	0.0049
	14A	-	14	STH 13								39							686.56	686.20	0.0093
	15A	-	15	STH 13								60							687.41	686.81	0.0100
	15B	-	15A	STH 13								32							687.62	687.41	0.0066
	16A	-	16	STH 13								36							687.86	687.51	0.0099
	16B	-	16A	STH 13								10							687.96	687.86	0.0100
	17A	-	17	STH 13	37														688.60	688.33	0.0074
	18A	-	18	STH 13			59												688.00	687.68	0.0054
	18AA	-	18A	STH 13										5					687.81	687.81	0.0000
	18B	-	18A	STH 13	35														688.68	688.50	0.0051
	20	-	21	STH 13				352											683.00	680.60	0.0068
	20A	-	20	STH 13		16													684.30	684.00	0.0191
	20B STAGE LINE	-	20A	STH 13		32													684.63	684.30	0.0103
	20D	-	20	STH 13								15							686.03	685.50	0.0347
	20E TEMP. CONN.	-	20	STH 13			25												683.63	683.50	0.0053
	21	-	22	STH 13				18											680.60	680.50	0.0057
	21A	-	21	STH 13	7														681.32	681.20	0.0185
	21B STAGE LINE	-	21	STH 13	25														681.18	681.07	0.0044
	22	-	23	STH 13					337										679.50	677.92	0.0047
	22A	-	22	STH 13		31													680.39	680.30	0.0029
	22B	-	22A	STH 13		32													680.80	680.39	0.0128
	22C	-	22B	STH 13	8														681.25	681.05	0.0250
	22D TEMP CONN.	-	22	STH 13		25													680.34	680.20	0.0057
	23	-	24	STH 13					34										677.92	677.70	0.0065
	23A	-	23	STH 13	7														679.70	679.40	0.0462

STORM SEWER PIPES - CONTINUED

CAT. 0010				608.0412	608.0415	608.0418	608.0424	608.0436	608.2424	608.2429	608.3012	608.3015	608.3018	608.3024	608.3030	SPV.0090.02	JOINT			
				STORM SEWER PIPE REINFORCED CONCRETE CLASS IV					STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL C LASS HE-IV		STORM SEWER PIPE CLASS III-A					STORM SEWER PIPE PVC				
				12-INCH	15-INCH	18-INCH	24-INCH	36-INCH	24X38-INCH	29X45-INCH	12-INCH	15-INCH	18-INCH	24-INCH	30-INCH	6-INCH	TIES*	INLET	DISCHARGE	SLOPE
FROM	-	TO	LOCATION	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EACH	ELEVATION	ELEVATION	FT/FT
23B	-	23A	STH 13	10														679.79	679.70	0.0086
23C STAGE LINE	-	23	STH 13	25														679.53	679.40	0.0053
24	-	25	STH 13					332										677.70	675.64	0.0062
24A	-	24	STH 13		30													678.83	678.64	0.0063
24B	-	24A	STH 13	8														679.43	679.08	0.0437
24C	-	24A	STH 13	31														679.29	679.08	0.0068
24D TEMP CONN.	-	24	STH 13				25											677.95	677.85	0.0039
25	-	26	STH 13					25										675.64	675.50	0.0057
25A	-	25	STH 13	7														677.26	676.95	0.0477
25B	-	25A	STH 13	10														677.32	677.26	0.0060
25C STAGE LINE	-	25	STH 13	25														677.08	676.95	0.0053
26	-	27	STH 13							321								675.50	673.50	0.0062
26A	-	26	STH 13	31														676.79	676.34	0.0147
26B TEMP CONN.	-	26	STH 13	25														676.47	676.34	0.0050
27	-	28	STH 13							13								673.50	673.40	0.0076
28	-	MATCH EX.	STH 13				10											674.00	673.90	0.0100
28A	-	28	STH 13	9														674.05	674.00	0.0059
28B STAGE LINE	-	28A	STH 13	31														674.18	674.05	0.0043
29	-	30	STH 13								12							695.35	695.23	0.0098
30	-	31	STH 13											76				694.23	693.13	0.0144
31	-	32 TEMP. CONN.	STH 13						40									690.58	690.38	0.0050
30A	-	30	STH 13									7						695.74	695.55	0.0271
31A	-	31	STH 13	8														691.70	691.40	0.0375
STAGE 3 SUB TOTAL				415	166	84	405	728	40	334	366	64	37	76	-	-	-			
STAGE 4 3B	-	3	STH 13									20						689.88	689.80	0.0041
11A	-	11	STH 13								44							685.19	684.97	0.0050
11B	-	11A	STH13								10							685.24	685.19	0.0050
13B	-	13	STH 13								20							685.10	685.00	0.0051
15D	-	15	STH 13									53						687.03	686.50	0.0101
15C	-	15D	STH 13								10							687.97	687.87	0.0095
15E	-	15D	STH 13								22							687.60	687.34	0.0120
15F	-	15E	STH 13								8							687.86	687.60	0.0327
16C	-	16	STH 13								28							687.86	687.51	0.0127
16D	-	16C	STH 13								10							687.96	687.86	0.0100
17B	-	17	STH 13	29														688.60	688.33	0.0093
18C	-	18	STH 13		51													688.00	687.68	0.0063
18D	-	18C	STH 13	11														688.83	688.25	0.0551
18E	-	18C	STH 13	35														688.47	688.25	0.0063
20B	-	20A STAGE LINE	STH 13		31													684.95	684.63	0.0103
20C	-	20B	STH 13	10														685.30	685.20	0.0100
20E	-	20 TEMP CONN.	STH 13			54												683.92	683.63	0.0053
20F	-	20E	STH 13													12		686.51	685.06	0.1272
20G	-	20E	STH 13	8														684.73	684.42	0.0387
20H	-	20E	STH 13	36														684.60	684.42	0.0050

STORM SEWER PIPES - CONTINUED

CAT. 0010				608.0412	608.0415	608.0418	608.0424	608.0436	608.2424	608.2429	608.3012	608.3015	608.3018	608.3024	608.3030	SPV.0090.02	JOINT			
				STORM SEWER PIPE REINFORCED CONCRETE CLASS IV					STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL C LASS HE-IV		STORM SEWER PIPE CLASS III-A					STORM SEWER PIPE PVC				
				12-INCH	15-INCH	18-INCH	24-INCH	36-INCH	24X38-INCH	29X45-INCH	12-INCH	15-INCH	18-INCH	24-INCH	30-INCH	6-INCH	TIES*	INLET	DISCHARGE	SLOPE
FROM	-	TO	LOCATION	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EACH	ELEVATION	ELEVATION	FT/FT
21B	-	21 STAGE LINE	STH 13	32														681.32	681.18	0.0044
21C	-	21B	STH 13	10														681.39	681.32	0.0070
22D	-	22 TEMP. CONN	STH 13		55													680.66	680.35	0.0057
22E	-	22D	STH 13	8														681.15	680.91	0.0300
22F	-	22D	STH 13	35														681.06	680.91	0.0043
23C	-	23 STAGE LINE	STH 13	32														679.70	679.53	0.0053
23D	-	23C	STH 13	10														679.79	679.70	0.0090
24D	-	24 TEMP CONN.	STH 13				54											678.16	677.95	0.0039
24DD	-	24D	STH 13				16											680.69	680.10	0.0368
24E	-	24D	STH 13	34														679.33	679.16	0.0050
25C	-	25 STAGE LINE	STH 13	32														677.25	677.08	0.0053
25D	-	25C	STH 13	10														677.31	677.25	0.0060
26B	-	26 TEMP CONN.	STH 13	55														676.74	676.47	0.0050
26C	-	26B	STH 13	35														676.90	676.74	0.0046
28B	-	28A STAGE LINE	STH 13	32														674.32	674.18	0.0043
32 TEMP CONN.	-	32	STH 13						36									690.38	690.20	0.0050
32	-	34	STH 13												14			690.20	690.10	0.0074
33	-	32	STH 13			70											9	696.40	693.62	0.0395
STAGE 4 SUB TOTALS				454	137	124	70	-	36	-	152	73	-	-	14	12	9			
			PROJECT TOTALS	869	303	208	475	728	76	334	518	137	37	844	552	12	9			

*NON-BID ITEM: FOR INFORMATION ONLY

TEMPORARY CONNECTION TO EXISTING STORM SEWER

CAT. 0010			SPV.0060.05 TEMPORARY CONNECTION TO EXISTING STORM SEWER
STAGE	STATION	LOCATION	EACH
STAGE 1A	1128+13	STH 13 4' RT	1
STAGE 1B	1121+82	STH 13 4' LT	1
	1131+87	STH 13 4' LT	2
	1135+46	STH 13 4' LT	2
STAGE 1B SUB TOTAL			5
STAGE 3	1117+70	STH 13 C/L	1
	1139+15	STH 13 C/L	1
	1142+83	STH 13 C/L	1
	1146+53	STH 13 C/L	2
	1150+13	STH 13 C/L	1
	1153+39	STH 13 36' LT	1
STAGE 3 SUB TOTAL			7
		PROJECT TOTAL	13

STORM SEWER STRUCTURES

CAT. 0010 STAGE	STRUC.	STATION	OFFSET*	520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	520.1030 APRON ENDWALLS FOR CULVERT PIPE 30-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLETS COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	SPV.0060.06 INLET COVERS TYPE H-D EACH	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1005 CATCH BASINS 5-FT DIAMETER EACH	611.1006 CATCH BASINS 6-FT DIAMETER EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	** RIM ELEVATION	*** INVERT ELEVATION	**** DEPTH FT
STAGE 1A	4	1125+16.63	4.00' RT				1									1					1	694.35	687.65	5.71
	5	1125+16.63	23.50' RT							1	1										1	693.39	679.80	12.76
	6	1125+42.37	68.60' RT	1																	1		674.00	
	10	1126+90.26	87.86' RT		1																1		670.00	
	11	1128+18.54	23.50' RT					1					1								1	689.91	678.00	11.08
	12	1128+12.89	4.00' RT				1											1			1	690.83	683.00	6.88
STAGE 1A SUB TOTAL				1	1	-	2	1	-	1	1	-	1	-	-	1	1	-	-		6			
STAGE 1B	2	1121+81.51	4.00' RT				1									1					1	697.41	691.02	5.40
	3	1124+15.09	4.00' RT				1								1						1	695.80	689.05	5.76
	13	1129+04.98	4.00' RT				1									1					1	691.53	684.90	5.68
	14	1130+43.54	4.00' RT				1									1					1	691.77	685.83	4.99
	15	1131+86.70	4.00' RT				1									1					1	692.37	686.30	5.12
	16	1132+50.93	4.00' RT				1								1						1	693.14	687.00	5.15
	17	1135+21.58	4.00' RT				1									1					1	693.76	687.58	5.19
	18	1135+45.57	4.00' RT				1								1						1	693.18	687.68	4.51
STAGE 1B SUB TOTAL				-	-	-	8	-	-	-	-	-	-	-	3	5	-	-	-		8			
STAGE 3	2B	1121+77.13	27.29' LT						1		1										1	696.92	689.78	6.31
	2C	1121+60.12	23.50' LT					1						1							1	697.10	691.57	4.70
	2D	1121+40.12	23.50' LT					1						1							1	697.24	691.71	4.70
	2E	1122+14.17	39.48' LT					1						1							1	696.79	691.77	4.19
	3A	1124+15.09	23.50' LT					1						1							1	694.67	688.15	5.69
	4A	1125+16.63	23.50' LT							1				1							1	693.39	686.62	5.94
	12A	1128+04.92	23.50' LT							1				1							1	689.81	682.79	6.19
	12B	1127+74.13	23.50' LT							1				1							1	689.71	683.19	5.69
	12C	112764.13	23.50' LT							1				1							1	689.72	683.24	5.65
	13A	1129+04.98	27.97' LT					1						1							1	690.48	683.86	5.79
	13C	1129+65.89	35.75' LT						1					1							1	690.68	684.16	5.69
	14A	1130+43.54	34.85' LT						1					1							1	691.07	684.56	5.68
	15A	1131+86.92	56.02' LT					1						1							1	691.52	685.41	5.28
	15B	1132+18.93	54.94' LT						1					1							1	691.63	685.62	5.18
	16A	1132+50.93	31.50' LT					1						1							1	692.02	685.86	5.33
	16B	1132+40.93	31.50' LT					1						1							1	691.98	685.96	5.19
	17A	1135+30.49	31.50' LT					1						1							1	692.62	686.60	5.19
	18A	1135+52.48	55.04' LT						1		1										1	692.26	685.81	5.62
	18B	1135+87.52	54.64' LT						1					1							1	692.20	686.68	4.69
	20	1139+12.72	25.00' LT				1									1					1	689.23	683.00	5.24
	20A	1138+98.39	31.50' LT					1				1									1	689.19	682.30	6.06
	21	1142+64.87	25.00' LT				1								1						1	685.54	680.60	3.95
	21A	1142+64.89	31.50' LT					1						1							1	685.34	679.32	5.19
	22	1142+82.50	25.00' LT				1										1				1	685.44	679.50	5.03
	22A	1142+86.09	55.34' LT						1		1										1	684.90	678.39	5.68
	22B	1143+18.12	55.97' LT					1						1							1	684.98	678.80	5.35
	22C	1143+20.78	63.52' LT				1								1						1	685.70	681.25	3.38
	23	1146+19.98	25.00' LT				1									1					1	684.05	677.92	5.22
	23A	1146+19.95	31.50' LT					1						1							1	683.85	677.70	5.32
	23B	1146+30.39	31.50' LT					1						1							1	683.81	677.79	5.19
	24	1146+54.05	25.00' LT				1										1				1	683.91	677.70	5.30
	24A	1146+52.56	55.02' LT						1		1										1	683.31	676.83	5.65
	24B	1146+52.54	63.02' LT					1						1							1	683.45	677.43	5.19
	24C	1146+83.56	55.00' LT					1						1							1	683.31	677.29	5.19
	25	1149+86.19	25.00' LT				1									1					1	681.62	675.64	5.08

STORM SEWER STRUCTURES - CONTINUED

CAT. 0010				520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH	520.103 APRON ENDWALLS FOR CULVERT PIPE 30-INCH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH	611.0530 MANHOLE COVERS TYPE J	611.0624 INLETS COVERS TYPE H	611.0639 INLET COVERS TYPE H-S	SPV.0060.06 INLET COVERS TYPE H-D	611.1004 CATCH BASINS 4-FT DIAMETER	611.1005 CATCH BASINS 5-FT DIAMETER	611.1006 CATCH BASINS 6-FT DIAMETER	611.1230 CATCH BASINS 2X3-FT	611.2004 MANHOLES 4-FT DIAMETER	611.2005 MANHOLES 5-FT DIAMETER	611.2006 MANHOLES 6-FT DIAMETER	611.2007 MANHOLES 7-FT DIAMETER	611.2008 MANHOLES 8-FT DIAMETER	650.4000 CONSTRUCTION STAKING STORM SEWER	** RIM ELEVATION	*** INVERT ELEVATION	**** DEPTH FT
STAGE	STRUC.	STATION	OFFSET*	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH			
	25A	1149+86.17	31.50' LT					1						1						1	681.42	675.26	5.33
	25B	1149+96.17	31.50' LT					1						1						1	681.33	675.32	5.18
	26	1150+10.93	25.00' LT				1										1			1	681.38	675.50	5.02
	26A	1150+16.99	54.99' LT						1					1						1	680.80	674.79	5.18
	27	1153+32.05	25.00' LT				1											1		1	678.72	673.50	4.36
	28	1153+39.08	36.13' LT				1												1	1	679.14	673.40	4.88
	28A	1153+46.22	31.50' LT					1						1						1	678.44	672.05	5.56
	29	1116+83.00	36.95' LT						1					1						1	699.87	693.35	5.69
	30	1116+92.89	44.12' LT					1				1								1	700.10	692.23	7.04
	31	1117+69.00	40.30' LT				1									1				1	699.59	690.58	8.08
STAGE 3 SUB TOTAL				-	-	-	11	20	10	4	4	2	-	28	2	4	3	1	1	45			
STAGE 4	3B	1124+15.09	23.50' RT					1						1						1	694.67	687.88	5.96
	11A	1127+74.13	23.50' RT							1				1						1	689.71	683.19	5.69
	11B	112764.13	23.50' RT							1				1						1	689.72	683.24	5.65
	13B	1129+04.98	23.50' RT					1						1						1	690.57	683.10	6.64
	15C	1131+87.03	56.09' RT					1						1						1	691.99	687.97	3.19
	15D	1131+97.49	55.41' RT				1								1					1	692.21	687.03	4.07
	15E	1132+19.03	54.02' RT						1					1						1	691.66	685.60	5.23
	15F	1132+25.99	50.19' RT				1								1					1	692.55	687.55	3.76
	16C	1132+51.02	31.50' RT					1						1						1	692.02	685.86	5.33
	16D	1132+41.02	31.50' RT					1						1						1	691.98	685.96	5.19
	17B	1135+30.68	31.50' RT					1						1						1	692.62	686.60	5.19
	18C	1135+52.69	54.45' RT						1		1									1	692.26	686.00	5.43
	18D	1135+49.21	64.39' RT				1								1					1	693.32	688.32	3.76
	18E	1135+87.66	55.03' RT					1						1						1	692.49	686.47	5.19
	20B	1138+96.83	31.50' RT					1						1						1	689.21	682.95	5.43
	20C	1138+86.85	31.50' RT					1						1						1	689.31	683.30	5.18
	20E	1139+17.97	54.30' RT						1		1									1	688.58	681.92	5.83
	20G	1139+18.00	62.30' RT					1						1						1	688.74	682.73	5.18
	20H	1139+53.97	54.50' RT					1						1						1	688.61	682.60	5.18
	21B	1142+64.68	31.50' RT					1						1						1	685.34	679.32	5.19
	21C	1142+54.68	31.50' RT					1						1						1	685.41	679.39	5.19
	22D	1142+84.73	55.28' RT						1		1									1	684.97	678.66	5.48
	22E	1142+84.66	63.28' RT					1						1						1	685.18	679.15	5.20
	22F	1143+19.74	53.99' RT					1						1						1	684.92	679.06	5.03
	23C	1146+20.19	31.50' RT					1						1						1	683.85	677.70	5.32
	23D	1146+30.19	31.50' RT					1						1						1	683.81	677.79	5.19
	24D	1146+50.95	53.84' RT						1		1									1	683.47	676.16	6.48
	24E	1146+84.64	54.27' RT					1						1						1	683.35	677.33	5.19
	25C	1149+86.41	31.50' RT					1						1						1	681.42	675.25	5.34
	25D	1149+96.41	31.50' RT					1						1						1	681.32	675.31	5.18
	26B	1150+16.89	54.30' RT						1					1						1	680.78	674.74	5.21
	26C	1150+51.88	54.99' RT					1						1						1	680.92	674.90	5.19
	28B	1153+42.73	31.51' RT					1						1						1	678.66	672.32	5.51
	32	1117+70.09	36.00' RT				1									1				1	699.29	690.20	8.16
	33	1117+00.00	41.50' RT			1														1		696.40	
	34	1117+70.23	49.59' RT		1															1		690.10	
STAGE 4 SUB TOTAL				-	1	1	4	22	6	2	4	-	-	26	3	1	-	-	-	36			
		PROJECT TOTALS		1	2	1	25	43	16	7	9	2	1	54	8	11	4	1	1	95			

REMARKS:

*STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE.

**RIM ELEV IS AT THE INLET COVER FLANGE LOCATION. FOR TYPE H, H-S, AND H-D COVERS RIM ELEVATION IS THE C&G FLOW LINE ELEVATION DEPRESSED 0.06'.

***FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE.

****DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT.

RECONSTRUCTING & SALVAGED ITEMS

CAT. 0010 STAGE	STATION	LOCATION		611.0420 RECONSTRUCTING MANHOLES EACH	611.0430 RECONSTRUCTING INLETS EACH	611.9705 SALVAGED MANHOLE COVERS EACH	611.9710 SALVAGED INLET COVERS EACH	SPV.0060.37 SALVAGING SANITARY MANHOLE COVERS EACH
STAGE 2A	1154+65	STH 13	33' LT	1	-	-	-	-
	1155+83	STH 13	12', 32' LT	-	-	1	1	-
	1157+15	STH 13	12', 32' LT	-	-	1	1	-
	1157+68	STH 13	13' LT	-	-	1	-	-
	1160+08	STH 13	11', 32' LT	1	-	-	1	-
	1161+15	STH 12	32' LT	-	-	-	1	-
	1161+45	STH 13	13' LT	-	-	1	-	-
	1163+06	STH 13	11', 32' LT	1	-	-	1	-
	1164+76	STH 13	11', 56' LT	-	1	1	-	-
	1165+20	STH 13	59' LT	-	-	-	1	-
	1166+65	STH 13	11', 32 LT	-	-	1	1	-
	1168+12	STH 13	13', 32' LT	-	-	1	1	-
	1168+60	STH 13	14' LT	-	-	1	-	-
	1170+16	STH 13	13', 32' LT	-	-	1	1	-
	1171+91	STH 13	41' LT	-	-	-	1	-
STAGE 2A SUB TOTALS				3	1	9	10	-
STAGE 2B	1153+75	STH 13	61' RT	-	-	-	1	-
	1154+25	STH 13	61' RT	-	-	-	1	-
	1154+53	STH 13	32' RT	-	-	-	1	-
	1155+83	STH 13	32' RT	-	-	-	1	-
	1157+13	STH 13	32' RT	-	-	-	1	-
	1159+21	STH 13	32' RT	-	-	-	1	-
	1160+08	STH 13	32' RT	-	-	-	1	-
	1161+42	STH 13	32' RT	-	-	-	1	-
	1164+85	STH 13	28' RT	-	-	1	-	-
	1164+91	STH 13	21' RT	-	-	1	-	-
	1163+06	STH 13	32' RT	-	-	-	1	-
	1164+46	STH 13	32' RT	-	-	-	1	-
	1164+77	STH 13	62' RT	-	-	-	1	-
	1165+21	STH 13	62' RT	-	-	-	1	-
	1168+12	STH 13	32' RT	-	-	-	1	-
	1168+42	STH 13	62' RT	-	-	-	1	-
	1168+50	STH 13	30' RT	-	-	1	-	-
	1168+51	STH 13	23' RT	-	-	1	-	-
	1168+59	STH 13	38' RT	-	-	1	-	-
	1168+87	STH 13	62' RT	-	-	-	1	-
	1170+15	STH 13	32' RT	-	-	-	1	-
	1171+94	STH 13	38' RT	-	-	-	1	-
STAGE 2B SUB TOTALS				-	-	5	17	-
STAGE 3	1129+81	STH 13	54' LT	-	-	-	1	-
	1130+26	STH 13	54' LT	-	-	-	1	-
	1153+39	STH 13	36' LT	1	-	-	-	-
STAGE 3 SUB TOTALS				1	-	-	2	-
STAGE 4	1121+95	STH 13	33' RT	-	1	-	-	-
CAT. 0010 TOTALS				4	2	14	29	-

RECONSTRUCTING & SALVAGED ITEMS - CONTINUED

CAT. 0010 STAGE	STATION	LOCATION		611.0420 RECONSTRUCTING MANHOLES EACH	611.0430 RECONSTRUCTING INLETS EACH	611.9705 SALVAGED MANHOLE COVERS EACH	611.9710 SALVAGED INLET COVERS EACH	SPV.0060.37 SALVAGING SANITARY MANHOLE COVERS EACH
CAT. 0030								
NON STAGED	1095+49	STH 13	37' RT	-	-	-	-	1
STAGE 3	1117+22	STH 13	24' LT	-	-	-	-	1
	1118+80	STH 13	26' LT	-	-	-	-	1
	1121+15	STH 13	20', 26' LT	-	-	-	-	2
	1125+03	STH 13	19' LT	-	-	-	-	1
	1127+27	STH 13	23' LT	1	-	-	-	-
	1128+60	STH 13	26' LT	1	-	-	-	-
	1132+05	STH 13	27' LT	-	-	-	-	1
	1135+70	STH 13	29' LT	-	-	-	-	1
STAGE 3 SUB TOTALS				2	-	-	-	7
CAT. 0030 TOTALS				2	-	-	-	8
		PROJECT TOTALS		6	2	14	29	8

COVER PLATES TEMPORARY

CAT. 0010 STAGE	STATION	LOCATION		611.8120.S COVER PLATES TEMPORARY EACH
STAGE 1A	1125+17		23.5' RT	1
	1128+19		23.5' RT	1
STAGE 1A SUB TOTAL				2
STAGE 2A	1155+83	STH 13	12' LT	1
	1157+15	STH 13	12' LT	1
	1157+68	STH 13	13' LT	1
	1161+45	STH 13	13' LT	1
	1164+76	STH 13	11' LT	1
	1166+65	STH 13	11' LT	1
	1168+12	STH 13	13' LT	1
	1168+60	STH 13	14' LT	1
	1170+16	STH 13	13' LT	1
STAGE 2A SUB TOTAL				9
STAGE 2B	1164+85	STH 13	28' RT	1
	1164+91	STH 13	21' RT	1
	1168+50	STH 13	30' RT	1
	1168+51	STH 13	23' RT	1
	1168+59	STH 13	38' RT	1
STAGE 2B SUB TOTAL				5
STAGE 3	1117+22	STH 13	24' LT	1
	1121+15	STH 13	20' LT	1
	1125+03	STH 13	19' LT	1
	1132+05	STH 13	27' LT	1
	1135+70	STH 13	29' LT	1
STAGE 3 SUB TOTAL				5
PROJECT TOTAL				21

3

PIPE UNDERDRAIN ITEMS

CAT. 0010					612.0106 PIPE UNDERDRAIN 6-INCH	612.0108 PIPE UNDERDRAIN 8-INCH	310.0110 * BASE AGGREGATE OPEN-GRADED	645.0111 GEOTEXTILE TYPE DF SCHEDULE A
STAGE	STATION	-	STATION	LOCATION	LF	LF	TON	SY
STAGE 3	1116+46	-	1116+83	LT, STH 13	37	-	2.3	19.0
	1117+77	-	1121+67	LT, STH 13	390	-	24.6	195.0
	1121+69	-	1121+91	ENTR RAD. SW	35	-	2.2	17.5
	1122+14	-	1122+38	ENTR RAD. NW	33	-	2.1	16.5
	1122+38	-	1130+43	LT, STH 13	805	-	50.7	402.5
	1130+22	-	1130+43	ENTR RAD. NW	32	-	2.0	16.0
	1130+43	-	1131+67	LT, STH 13	124	-	7.8	62.0
	9+69	-	9+44	12TH ST SW	35	-	2.2	17.5
	9+45	-	9+69	12TH ST NW	37	-	2.3	18.5
	1132+41	-	1135+30	LT, STH 13	289	-	18.2	144.5
	9+69	-	9+45	11TH ST SW	35	-	2.2	17.5
	9+46	-	9+69	11TH ST NW	35	-	2.2	17.5
	1136+08	-	1138+98	LT, STH 13	290	-	18.3	145.0
	9+69	-	9+45	10TH ST SW	47	-	3.0	23.5
	9+45	-	9+69	10TH ST NW	31	-	2.0	15.5
	1139+69	-	1142+65	LT, STH 13	296	-	18.6	148.0
	9+69	-	9+45	9TH ST SW	35	-	2.2	17.5
	9+45	-	9+69	9TH ST NW	30	-	1.9	15.0
	1143+35	-	1146+30	LT, STH 13	295	-	18.6	147.5
	9+69	-	9+45	8TH ST SW	44	-	2.8	22.0
	9+45	-	9+69	8TH ST NW	35	-	2.2	17.5
	1146+99	-	1149+95	LT, STH 13	296	-	18.5	148.0
	9+69	-	9+44	7TH ST SW	42	-	2.6	21.0
	9+42	-	9+69	7TH ST NW	41	-	2.6	20.5
	1150+67	-	1153+45	LT, STH 13	278	-	17.4	139.0
STAGE 3 SUB TOTALS					3647	0	229	1824
STAGE 4	1116+46	-	1117+40	RT, STH 13	94	-	-	-
	1117+40	-	1124+15	RT, STH 13	-	675	42.5	337.5
	10+25	-	10+55	16TH ST NE	43	-	2.7	21.5
	1124+15	-	1131+69	RT, STH 13	754	-	47.5	377.0
	10+31	-	10+56	12TH ST SE	36	-	2.3	18.0
	10+31	-	10+54	12TH ST NE	36	-	2.3	18.0
	1132+41	-	1135+30	RT, STH 13	289	-	18.2	144.5
	10+31	-	10+54	11TH ST SE	32	-	2.0	16.0
	10+31	-	10+55	11TH ST NE	34	-	2.1	17.0
	1136+08	-	1138+96	RT, STH 13	288	-	18.1	144.0
	10+31	-	10+54	10TH ST SE	42	-	2.6	21.0
	10+31	-	10+55	10TH ST NE	36	-	2.3	18.0
	1139+69	-	1142+64	RT, STH 13	295	-	18.6	147.5
	10+31	-	10+55	9TH ST SE	40	-	2.5	20.0
	10+31	-	10+54	9TH ST NE	34	-	2.1	17.0
	1143+35	-	1146+30	RT, STH 13	295	-	18.6	147.5
	10+31	-	10+53	8TH ST SE	35	-	2.2	17.5
	10+31	-	10+53	8TH ST NE	31	-	2.0	15.5
	1147+01	-	1149+95	RT, STH 13	294	-	18.5	147.0
	10+31	-	10+54	7TH ST SE	36	-	2.3	18.0
	10+31	-	10+55	7TH ST NE	37	-	2.3	18.5
	1150+67	-	1153+42	RT, STH 13	275	-	17.2	137.5
STAGE 4 SUB TOTALS					2962	675	229	1819
				TABLE TOTAL			458	
				PROJECT TOTALS	6609	675	*	3643

* ADDITIONAL QUANTITIES LOCATED IN BASE AGGREGATE TABLE.

MGS GUARDRAIL ITEMS

CAT. 0010						614.2300 MGS GUARDRAIL 3	614.2330 MGS GUARDRAIL 3K	614.2610 MGS GUARDRAIL TERMINAL EAT
STAGE	STATION	-	STATION	LOCATION		LF	LF	EACH
STAGE 3	1125+31.1	-	1125+84.2	STH 13	LT	-	-	1
	1125+84.2	-	1127+09.2	STH 13	LT	-	125.0	-
	1127+09.2	-	1127+62.3	STH 13	LT	-	-	1
STAGE 3 SUB TOTALS						0.0	125.0	2
STAGE 4	1125+05.0	-	1125+58.1	STH 13	RT	-	-	1
	1125+58.1	-	1126+08.1	STH 13	RT	-	50.0	-
	1126+08.1	-	1127+08.1	STH 13	RT	100.0	-	-
	1127+08.1	-	1127+61.2	STH 13	RT	-	-	1
STAGE 4 SUB TOTALS						100.0	50.0	2
			PROJECT TOTALS			100.0	175.0	4

CONCRETE MEDIAN SLOPED NOSE

CAT. 0010					620.0300 CONCRETE MEDIAN SLOPED NOSE
STAGE	STATION	-	STATION	LOCATION	SF
STAGE 2C	1154+50	-	1154+56	NB STH 13	43
	1157+11.5	-	1157+17.5	SB STH 13	47
	1158+17.5	-	1158+23.5	NB STH 13	47
	1161+09.5	-	1161+15.5	SB STH 13	47
	1162+15.5	-	1162+21.5	NB STH 13	70
	1164+42	-	1164+48	SB STH 13	47
	1165+48	-	1165+54	NB STH 13	47
	1168+08.5	-	1168+14.5	SB STH 13	47
	1169+14.5	-	1169+20.5	NB STH 13	47
	1171+85	-	1171+91	SB STH 13	27
STAGE 2C SUB TOTAL					466
STAGE 5	1118+19	-	1118+25	NB STH 13	43
	1121+58	-	1121+64	SB STH 13	43
	1122+38	-	1122+44	NB STH 13	43
	1129+53.5	-	1129+59.5	SB STH 13	43
	1130+49.5	-	1130+55.5	NB STH 13	43
	1131+65.5	-	1131+71.5	SB STH 13	43
	1132+34.5	-	1132+40.5	NB STH 13	43
	1135+31.5	-	1135+37.5	SB STH 13	43
	1136+03	-	1136+09	NB STH 13	43
	1138+98	-	1139+04	SB STH 13	43
	1139+68	-	1139+74	NB STH 13	43
	1142+64	-	1142+70	SB STH 13	43
	1143+34.5	-	1143+40.5	NB STH 13	43
	1146+30	-	1146+36	SB STH 13	43
	1147+01	-	1147+07	NB STH 13	43
	1149+96	-	1150+02	SB STH 13	43
	1150+66.5	-	1150+73.5	NB STH 13	53
	1152+55.5	-	1152+61.5	SB STH 13	39
STAGE 5 SUB TOTAL					775
				PROJECT TOTAL	1,241

MAINTENANCE AND REPAIR ITEM

CAT. 0010	618.0100 MAINTENANCE AND REPAIR OF HAUL ROADS 01. 1610-00-77
LOCATION	EACH
PROJECT	1
PROJECT TOTAL	1

MOBILIZATION

CAT. 0010	619.1000 MOBILIZATION
LOCATION	EACH
PROJECT	1
PROJECT TOTAL	1

LANDSCAPING ITEMS

CAT. 0010						625.0100	627.0200	629.0210	630.0120	630.0140	630.0130	630.0200	630.0500	SPV.0180.02	
						TOPSOIL	MULCHING	FERTILIZER TYPE B	SEEDING NO. 20	SEEDING NO. 40	SEEDING NO. 30	SEEDING TEMPORARY	SEED WATER	GARDENING SOIL	
STAGE	STATION	-	STATION		LOCATION	SY	SY	CWT	LB	LB	LB	LB	MGAL	SY	COMMENT
NON STAGED	981+57	-	981+84	LT	STH 13	50	-	0.04	2	-	-	-	1	-	CULVERT WORK
	1000+38	-	1000+66	LT	STH 13	44	-	0.03	2	-	-	-	1	-	CULVERT WORK
	1008+97	-	1009+52	LT	STH 13	101	-	0.07	3	-	-	-	2	-	CULVERT WORK
	1019+10	-	1020+10	LT	STH 13	230	-	0.15	7	-	-	-	5	-	CULVERT WORK
	1030+48	-	1030+66	LT	STH 13	18	-	0.02	1	-	-	-	0	-	CULVERT WORK
	1060+18	-	1060+75	LT	STH 13	124	-	0.08	4	-	-	-	3	-	CULVERT WORK
	1069+60	-	1069+77	LT	STH 13	24	-	0.02	1	-	-	-	1	-	CULVERT WORK
	1086+77	-	1087+26	LT	STH 13	101	-	0.07	3	-	-	-	2	-	CULVERT WORK
	981+56	-	981+83	RT	STH 13	59	-	0.04	2	-	-	-	1	-	CULVERT WORK
	1000+36	-	1000+65	RT	STH 13	46	-	0.03	2	-	-	-	1	-	CULVERT WORK
	1008+93	-	1009+52	RT	STH 13	115	-	0.08	4	-	-	-	3	-	CULVERT WORK
	1019+10	-	1020+10	RT	STH 13	215	-	0.14	6	-	-	-	5	-	CULVERT WORK
	1030+45	-	1030+69	RT	STH 13	46	-	0.03	2	-	-	-	1	-	CULVERT WORK
	1060+18	-	1060+75	RT	STH 13	117	-	0.08	4	-	-	-	3	-	CULVERT WORK
	1069+60	-	1069+76	RT	STH 13	26	-	0.02	1	-	-	-	1	-	CULVERT WORK
	1086+76	-	1087+26	RT	STH 13	67	-	0.05	2	-	-	-	2	-	CULVERT WORK
NON STAGED SUB TOTALS						1383	0	0.95	46	0	0	0	32	0	
STAGE 2A	1154+25	-	1157+42	LT	STH 13	161	11	0.11	-	3	-	4	4	-	6TH ST - 5TH ST
	1157+84	-	1164+75	LT	STH 13	348	25	0.22	-	7	-	9	8	-	5TH ST - 3RD ST
	1165+20	-	1168+41	LT	STH 13	140	6	0.09	-	3	-	4	3	-	3RD ST - MAIN ST
	1168+88	-	1171+96	LT	STH 13	130	-	0.09	-	3	-	4	3	-	MAIN ST - LAKESHORE DR
STAGE 2A SUB TOTALS						779	42	0.51	0	16	0	21	18	0	
STAGE 2B	1154+26	-	1157+47	RT	STH 13	181	21	0.12	-	4	-	5	4	-	6TH ST - 5TH ST
	1157+87	-	1164+76	RT	STH 13	328	7	0.21	-	6	-	8	7	-	5TH ST - 3RD ST
	1165+21	-	1168+41	RT	STH 13	173	17	0.11	-	4	-	5	4	-	3RD ST - MAIN ST
	1168+88	-	1171+96	RT	STH 13	132	4	0.09	-	3	-	4	3	-	MAIN ST - LAKESHORE DR
STAGE 2B SUB TOTALS						814	49	0.53	0	17	0	22	18	0	
STAGE 2C	1154+77	-	1156+91	MEDIAN	STH 13	206	-	0.15	-	-	4	-	5	29	6TH ST - 5TH ST
	1158+45	-	1164+21	MEDIAN	STH 13	443	-	0.33	-	-	9	-	12	72	5TH ST - 3RD ST
	1165+75	-	1167+88	MEDIAN	STH 13	172	-	0.13	-	-	4	-	5	29	3RD ST - MAIN ST
	1169+42	-	1169+98	MEDIAN	STH 13	13	-	0.03	-	-	1	-	1	28	MAIN ST - LAKESHORE DR
STAGE 2C SUB TOTALS						834	0	0.64	0	0	18	0	23	158	
STAGE 3	1116+55	-	1116+95	LT	STH 13	27	-	0.02	-	1	-	1	1	-	16TH ST
	1117+80	-	1131+86	LT	STH 13	1502	318	0.95	-	28	-	37	34	-	16TH ST - 12THST
	1132+20	-	1135+51	LT	STH 13	232	-	0.15	-	5	-	7	5	-	12TH ST - 11TH ST
	1135+88	-	1139+18	LT	STH 13	190	6	0.12	-	4	-	5	4	-	11TH ST - 10TH ST
	1139+52	-	1142+89	LT	STH 13	216	2	0.14	-	4	-	5	5	-	10TH ST - 9TH ST
	1143+15	-	1146+52	LT	STH 13	204	8	0.13	-	4	-	5	5	-	9TH ST - 8TH ST
	1146+85	-	1150+16	LT	STH 13	203	15	0.13	-	4	-	5	5	-	8TH ST - 7TH ST
	1150+53	-	1153+74	LT	STH 13	180	1	0.12	-	4	-	5	4	-	7TH ST - 6TH ST
STAGE 3 SUB TOTALS						2754	350	1.76	0	54	0	70	63	0	
STAGE 4	1116+45	-	1117+21	RT	STH 13	104		0.07	-	2	-	3	2	-	16TH ST
	1117+55	-	1131+86	RT	STH 13	2034	446	1.29	-	37	-	49	46	-	16TH ST - 12THST
	1132+20	-	1135+52	RT	STH 13	250		0.16	-	5	-	7	6	-	12TH ST - 11TH ST
	1135+89	-	1139+17	RT	STH 13	241	3	0.16	-	5	-	7	5	-	11TH ST - 10TH ST
	1138+84	-	1142+84	RT	STH 13	261	13	0.17	-	5	-	7	6	-	10TH ST - 9TH ST
	1143+21	-	1146+52	RT	STH 13	207	4	0.14	-	4	-	5	5	-	9TH ST - 8TH ST
	1146+85	-	1150+16	RT	STH 13	233	16	0.15	-	5	-	7	5	-	8TH ST - 7TH ST
	1150+53	-	1153+73	RT	STH 13	203	5	0.13	-	4	-	5	5	-	7TH ST - 6TH ST
STAGE 4 SUB TOTALS						3533	487	2.27	0	67	0	90	80	0	

LANDSCAPING ITEMS - CONTINUED

CAT. 0010 STAGE	STATION		STATION		LOCATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING NO. 20 LB	630.0140 SEEDING NO. 40 LB	630.0130 SEEDING NO. 30 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL	SPV.0180.02 GARDENING SOIL SY	COMMENT
STAGE 5	1118+25	-	1131+65	MEDIAN	STH 13	1019	-	0.72	-	-	20	-	25	110	16TH ST - 12THST
	1132+40	-	1135+32	MEDIAN	STH 13	251	-	0.19	-	-	5	-	6	37	12TH ST - 11TH ST
	1136+09	-	1138+98	MEDIAN	STH 13	249	-	0.18	-	-	5	-	6	37	11TH ST - 10TH ST
	1139+74	-	1142+64	MEDIAN	STH 13	250	-	0.19	-	-	5	-	6	37	10TH ST - 9TH ST
	1143+41	-	1146+30	MEDIAN	STH 13	249	-	0.19	-	-	5	-	6	37	9TH ST - 8TH ST
	1147+07	-	1149+96	MEDIAN	STH 13	250	-	0.19	-	-	5	-	6	37	8TH ST - 7TH ST
	1150+74	-	1152+55	MEDIAN	STH 13	141	-	0.11	-	-	4	-	4	31	7TH ST - 6TH ST
STAGE 5 SUB TOTALS						2409	0	1.77	0	0	49	0	59	326	
					PROJECT TOTALS	12,506	928	8.43	46	154	67	203	293	484	

EROSION CONTROL MOBILIZATIONS

CAT. 0010 STAGE	628.1905 MOBILIZATION EROSION CONTROL EACH	628.1910 MOBILIZATION EMERGENCY EROSION CONTROL EACH
STAGE 1A	2	1
STAGE 1B	1	1
STAGE 2	3	1
STAGE 3	3	1
STAGE 4	2	1
STAGE 5	1	1
PROJECT TOTALS	12	6

SILT FENCE ITEMS

CAT. 0010 STAGE	STATION		STATION		LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	REMARKS
NON STAGED	981+37	-	982+05	LT	STH 13	92	92	CULVERT WORK
	981+37	-	982+05	RT	STH 13	97	97	CULVERT WORK
	1000+17	-	1000+88	RT	STH 13	92	92	CULVERT WORK
	1000+18	-	1000+89	LT	STH 13	92	92	CULVERT WORK
	1008+74	-	1009+77	LT	STH 13	127	127	CULVERT WORK
	1008+93	-	1009+79	RT	STH 13	102	102	CULVERT WORK
	1018+83	-	1020+37	LT	STH 13	171	171	CULVERT WORK
	1018+83	-	1020+35	RT	STH 13	180	180	CULVERT WORK
	1030+14	-	1030+69	RT	STH 13	77	77	CULVERT WORK
	1030+17	-	1030+88	LT	STH 13	82	82	CULVERT WORK
	1059+91	-	1061+06	RT	STH 13	138	138	CULVERT WORK
	1059+92	-	1060+84	LT	STH 13	122	122	CULVERT WORK
	1069+40	-	1069+92	RT	STH 13	70	70	CULVERT WORK
	1069+42	-	1069+95	LT	STH 13	70	70	CULVERT WORK
	1086+54	-	1087+44	RT	STH 13	105	105	CULVERT WORK
	1086+55	-	1087+47	LT	STH 13	113	113	CULVERT WORK
NON STAGED SUB TOTALS						1730	1730	
STAGE 3	1125+61	-	1128+07	RT	STH 13	246	246	16TH ST - 12THST
STAGE 4	1124+92	-	1128+14	RT	STH 13	322	322	16TH ST - 12THST
					PROJECT TOTALS	2298	2298	

EROSION MAT ITEMS

CAT. 0010 STAGE	STATION		STATION	LOCATION		628.2004 EROSION MAT CLASS I TYPE B SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	REMARKS
NON STAGED	981+56	-	981+83	STH 13	RT	59	-	CULVERT WORK
	981+57	-	981+84	STH 13	LT	50	-	CULVERT WORK
	1000+36	-	1000+65	STH 13	RT	46	-	CULVERT WORK
	1000+38	-	1000+66	STH 13	LT	44	-	CULVERT WORK
	1008+93	-	1009+52	STH 13	RT	115	-	CULVERT WORK
	1008+97	-	1009+52	STH 13	LT	101	-	CULVERT WORK
	1019+10	-	1020+10	STH 13	LT	230	-	CULVERT WORK
	1019+10	-	1020+10	STH 13	RT	215	-	CULVERT WORK
	1030+45	-	1030+69	STH 13	RT	46	-	CULVERT WORK
	1030+48	-	1030+66	STH 13	LT	18	-	CULVERT WORK
	1060+18	-	1060+75	STH 13	LT	124	-	CULVERT WORK
	1060+18	-	1060+75	STH 13	RT	117	-	CULVERT WORK
	1069+60	-	1069+77	STH 13	LT	24	-	CULVERT WORK
	1069+60	-	1069+76	STH 13	RT	26	-	CULVERT WORK
	1086+76	-	1087+26	STH 13	RT	67	-	CULVERT WORK
	1086+77	-	1087+26	STH 13	LT	101	-	CULVERT WORK
NON STAGED SUB TOTALS						1383	0	
STAGE 2A	1154+25	-	1157+42	STH 13	LT	-	178	6TH ST - 5TH ST
	1158+01	-	1164+75	STH 13	LT	-	323	5TH ST - 3RD ST
	1165+20	-	1168+41	STH 13	LT	-	134	3RD ST - MAIN ST
	1168+88	-	1171+96	STH 13	LT	-	130	MAIN ST - LAKESHORE DR
STAGE 2A SUB TOTALS						0	765	
STAGE 2B	1154+26	-	1157+47	STH 13	RT	-	160	6TH ST - 5TH ST
	1157+87	-	1164+76	STH 13	RT	-	321	5TH ST - 3RD ST
	1165+21	-	1168+41	STH 13	RT	-	156	3RD ST - MAIN ST
	1168+88	-	1171+96	STH 13	RT	-	128	MAIN ST - LAKESHORE DR
STAGE 2B SUB TOTALS						0	765	

EROSION MAT ITEMS - CONTINUED

CAT. 0010					628.2004 EROSION MAT CLASS I TYPE B	628.2006 EROSION MAT URBAN CLASS I TYPE A	
STAGE	STATION - STATION		LOCATION		SY	SY	REMARKS
STAGE 2C	1154+77 - 1156+91	STH 13	MEDIAN		-	235	6TH ST - 5TH ST
	1158+45 - 1164+21	STH 13	MEDIAN		-	515	5TH ST - 3RD ST
	1165+75 - 1167+88	STH 13	MEDIAN		-	201	3RD ST - MAIN ST
	1169+42 - 1169+98	STH 13	MEDIAN		-	41	MAIN ST - LAKESHORE DR
STAGE 2C SUB TOTALS					0	992	
STAGE 3	1116+55 - 1116+95	STH 13	LT		-	86	16TH ST
	1117+80 - 1131+86	STH 13	LT		58	1256	16TH ST - 12TH ST
	1132+20 - 1135+51	STH 13	LT		-	232	12TH ST - 11TH ST
	1135+88 - 1139+18	STH 13	LT		-	184	11TH ST - 10TH ST
	1139+52 - 1142+89	STH 13	LT		-	214	10TH ST - 9TH ST
	1143+15 - 1146+52	STH 13	LT		-	196	9TH ST - 8TH ST
	1146+85 - 1150+16	STH 13	LT		-	188	8TH ST - 7TH ST
	1150+53 - 1153+74	STH 13	LT		-	179	7TH ST - 6TH ST
STAGE 3 SUB TOTALS					58	2535	
STAGE 4	1116+45 - 1117+21	STH 13	RT		63	41	16TH ST
	1117+38 - 1131+86	STH 13	RT		336	1183	16TH ST - 12TH ST
	1132+20 - 1135+52	STH 13	RT		-	250	12TH ST - 11TH ST
	1135+89 - 1139+17	STH 13	RT		-	230	11TH ST - 10TH ST
	1139+55 - 1142+84	STH 13	RT		-	256	10TH ST - 9TH ST
	1143+21 - 1146+52	STH 13	RT		-	203	9TH ST - 8TH ST
	1146+85 - 1150+16	STH 13	RT		-	217	8TH ST - 7TH ST
	1150+53 - 1153+73	STH 13	RT		-	198	7TH ST - 6TH ST
STAGE 4 SUB TOTALS					399	2578	
STAGE 5	1118+25 - 1131+65	STH 13	MEDIAN		-	1128	16TH ST - 12TH ST
	1132+40 - 1135+32	STH 13	MEDIAN		-	288	12TH ST - 11TH ST
	1136+09 - 1138+98	STH 13	MEDIAN		-	285	11TH ST - 10TH ST
	1139+74 - 1142+64	STH 13	MEDIAN		-	287	10TH ST - 9TH ST
	1143+41 - 1146+30	STH 13	MEDIAN		-	286	9TH ST - 8TH ST
	1147+07 - 1149+96	STH 13	MEDIAN		-	286	8TH ST - 7TH ST
	1150+74 - 1152+55	STH 13	MEDIAN		-	171	7TH ST - 6TH ST
STAGE 5 SUB TOTALS					0	2731	
				PROJECT TOTALS	1,840	10,366	

INLET PROTECTION ITEMS

CAT. 0010					628.7005 INLET PROTECTION TYPE A	628.7010 INLET PROTECTION TYPE B	628.7015 INLET PROTECTION TYPE C	628.7020 INLET PROTECTION TYPE D
STAGE	STATION		OFFSET	STRUCTURE ID	EACH	EACH	EACH	EACH
STAGE 2A	1155+82.68	LT	30.66 LT	EX-4	---	---	1	---
	1157+13.50	LT	30.70 LT	EX-6	---	---	1	---
	1160+04.63	LT	30.86 LT	EX-9	---	---	1	---
	1161+14.85	LT	30.79 LT	EX-11	---	---	1	---
	1163+05.68	LT	31.37 LT	EX-13	---	1	---	---
	1164+45.99	LT	30.84 LT	EX-15	---	---	1	---
	1164+75.95	LT	55.88 LT	EX-17	---	---	1	---
	1165+19.02	LT	60.50' LT		---	---	1	---
	1166+64.72	LT	30.79 LT	EX-20	---	---	1	---
	1168+10.65	LT	30.27 LT	EX-22	---	---	1	---
	1170+14.80	LT	30.97 LT	EX-26	---	---	1	---
	1171+91.10	LT	40.01 LT	EX-28	---	---	1	---

INLET PROTECTION ITEMS - CONTINUED

CAT. 0010					628.7005 INLET PROTECTION TYPE A	628.7010 INLET PROTECTION TYPE B	628.7015 INLET PROTECTION TYPE C	628.7020 INLET PROTECTION TYPE D
STAGE	STATION		OFFSET	STRUCTURE ID	EACH	EACH	EACH	EACH
STAGE 2B	1154+25.19	RT	61.93' RT	EX-2	---	---	1	---
	1154+52.91	RT	30.66 RT	EX-3	---	---	1	---
	1155+83.62	RT	30.68 RT	EX-5	---	---	1	---
	1157+13.50	RT	30.65 RT	EX-7	---	---	1	---
	1159+20.72	RT	30.66 RT	EX-8	---	---	1	---
	1160+08.38	RT	30.55 RT	EX-10	---	---	1	---
	1161+42.06	RT	30.64 RT	EX-12	---	---	1	---
	1163+05.67	RT	30.88 RT	EX-14	---	1	---	---
	1164+46.40	RT	30.56 RT	EX-16	---	---	1	---
	1164+77.84	RT	59.87 RT	EX-18	---	---	1	---
	1165+19.38	RT	61.71 RT	EX-19	---	---	1	---
	1166+66.38	RT	30.75 RT	EX-21	---	---	1	---
	1168+11.48	RT	30.65 RT	EX-23	---	---	1	---
	1168+42.54	RT	62.14 RT	EX-24	---	---	1	---
	1168+87.33	RT	63.07 RT	EX-25	---	---	1	---
	1170+15.08	RT	31.12 RT	EX-27	---	1	---	---
	1171+94.57	RT	35.93 RT	EX-29	---	---	1	---
STAGE 2B SUB TOTALS					0	2	15	0
STAGE 3	1116+83.00	LT	36.95' LT	29	1	---	1	---
	1116+92.89	LT	44.12' LT	30	1	---	1	---
	1117+69.00	LT	40.30' LT	31	1	---	---	---
	1121+40.12	LT	23.50' LT	2D	1	---	1	---
	1121+60.12	LT	23.50' LT	2C	1	---	1	---
	1121+77.13	LT	27.29' LT	2B	1	---	---	1
	1122+14.17	LT	39.48' LT	2E	1	---	1	---
	1124+15.09	LT	23.50' LT	3A	1	---	1	---
	1125+16.63	LT	23.50' LT	4A	1	---	1	---
	1127+74.13	LT	23.50' LT	12B	1	---	---	1
	1128+04.92	LT	23.50' LT	12A	1	---	1	---
	1127+64	LT	23.50' LT	12C	---	1	---	---
	1129+04.98	LT	27.97' LT	13A	1	---	1	---
	1129+65.89	LT	35.75' LT	13C	1	---	1	---
	1130+43.54	LT	34.85' LT	14A	1	---	---	1
	1131+86.92	LT	56.02' LT	15A	1	---	1	---
	1132+18.93	LT	54.94' LT	15B	1	---	1	---
	1132+40.93	LT	31.50' LT	16B	1	---	1	---
	1132+50.93	LT	31.50' LT	16A	1	---	1	---
	1135+30.49	LT	31.50' LT	17A	1	---	1	---
	1135+52.48	LT	55.04' LT	18A	1	---	1	---
	1135+87.52	LT	54.64' LT	18B	1	---	1	---
	1138+98.39	LT	31.50' LT	20A	1	---	1	---
	1139+12.72	LT	25.00' LT	20	1	---	---	---
	1142+64.87	LT	25.00' LT	21	1	---	---	---
	1142+64.89	LT	31.50' LT	21A	1	---	1	---
	1142+82.50	LT	25.00' LT	22	1	---	---	---
	1142+86.09	LT	55.34' LT	22A	1	---	1	---
	1143+18.12	LT	55.97' LT	22B	1	---	1	---
	1143+20.78	LT	63.52' LT	22C	1	---	1	---
	1146+19.95	LT	31.50' LT	23A	1	---	1	---
	1146+19.98	LT	25.00' LT	23	1	---	---	---
	1146+30.39	LT	31.50' LT	23B	1	---	1	---
	1146+52.54	LT	63.02' LT	24B	1	---	1	---
	1146+52.56	LT	55.02' LT	24A	1	---	1	---
	1146+54.05	LT	25.00' LT	24	1	---	---	---

INLET PROTECTION ITEMS - CONTINUED

CAT. 0010					628.7005 INLET PROTECTION TYPE A	628.7010 INLET PROTECTION TYPE B	628.7015 INLET PROTECTION TYPE C	628.7020 INLET PROTECTION TYPE D
STAGE	STATION		OFFSET	STRUCTURE ID	EACH	EACH	EACH	EACH
	1146+83.56	LT	55.00' LT	24C	1	---	1	---
	1149+86.17	LT	31.50' LT	25A	1	---	1	---
	1149+86.19	LT	25.00' LT	25	1	---	---	---
	1149+96.17	LT	31.50' LT	25B	1	---	1	---
	1150+10.93	LT	25.00' LT	26	1	---	---	---
	1150+16.99	LT	54.99' LT	26A	1	---	1	---
	1153+34.05	LT	25.00' LT	27	1	---	---	---
	1153+41.08	LT	36.13' LT	28	1	---	---	---
	1153+46.22	LT	31.50' LT	28A	1	---	1	---
	9+44.71	NLCN	22.00' LT & RT		2	---	2	---
	9+06.89	10TH ST	15.00' LT & RT		---	---	2	---
STAGE 3 SUB TOTALS					46	1	35	3
STAGE 4	1117+70.09	RT	36.00' RT	32	1	---	---	---
	1121+81.51	RT	4.00' RT	2	---	---	1	---
	1121+95.23	RT	33.00' RT	---	1	1	---	---
	1124+15.09	RT	4.00' RT	3	1	---	---	---
	1124+15.09	RT	23.50' RT	3B	1	---	1	---
	1125+16.63	RT	4.00' RT	4	1	---	---	---
	1125+16.63	RT	23.50' RT	5	1	---	1	---
	1127+64	RT	23.5 RT	11B	---	1	---	---
	1127+74.13	RT	23.50' RT	11A	1	---	---	1
	1128+12.89	RT	4.00' RT	12	1	---	---	---
	1128+18.54	RT	23.50' RT	11	1	---	1	---
	1129+04.98	RT	4.00' RT	13	1	---	1	---
	1129+04.98	RT	23.50' RT	13B	1	---	1	---
	1130+43.54	RT	4.00' RT	14	1	---	---	---
	1131+86.70	RT	4.00' RT	15	1	---	---	---
	1131+87.03	RT	56.09' RT	15C	1	---	1	---
	1131+97.49	RT	55.41' RT	15D	1	---	---	---
	1132+19.03	RT	54.02' RT	15E	1	---	1	---
	1132+25.99	RT	50.19' RT	15F	1	---	---	---
	1132+41.02	RT	31.50' RT	16D	1	---	1	---
	1132+50.93	RT	4.00' RT	16	1	---	---	---
	1132+51.02	RT	31.50' RT	16C	1	---	1	---
	1135+21.58	RT	4.00' RT	17	1	---	---	---
	1135+30.68	RT	31.50' RT	17B	1	---	1	---
	1135+45.57	RT	4.00' RT	18	1	---	---	---
	1135+49.21	RT	64.39' RT	18D	1	---	---	---
	1135+52.69	RT	54.45' RT	18C	1	---	1	---
	1135+87.66	RT	55.03' RT	18E	1	---	1	---
	1138+86.85	RT	31.50' RT	20C	1	---	1	---
	1138+96.83	RT	31.50' RT	20B	1	---	1	---
	1139+17.97	RT	54.30' RT	20E	1	---	1	---
	1139+18.00	RT	62.30' RT	20G	1	---	1	---
	1139+53.97	RT	54.50' RT	20H	1	---	1	---
	1142+54.68	RT	31.50' RT	21C	1	---	1	---
	1142+64.68	RT	31.50' RT	21B	1	---	1	---
	1142+84.66	RT	63.28' RT	22E	1	---	1	---
	1142+84.73	RT	55.28' RT	22D	1	---	1	---
	1143+19.74	RT	53.99' RT	22F	1	---	1	---
	1146+20.19	RT	31.50' RT	23C	1	---	1	---
	1146+30.19	RT	31.50' RT	23D	1	---	1	---
	1146+50.95	RT	53.84' RT	24D	1	---	1	---

INLET PROTECTION ITEMS - CONTINUED

CAT. 0010					628.7005 INLET PROTECTION TYPE A	628.7010 INLET PROTECTION TYPE B	628.7015 INLET PROTECTION TYPE C	628.7020 INLET PROTECTION TYPE D
STAGE	STATION		OFFSET	STRUCTURE ID	EACH	EACH	EACH	EACH
	1146+84.64	RT	54.27' RT	24E	1	---	1	---
	1149+86.41	RT	31.50' RT	25C	1	---	1	---
	1149+96.41	RT	31.50' RT	25D	1	---	1	---
	1150+16.89	RT	54.30' RT	26B	1	---	1	---
	1150+51.88	RT	54.99' RT	26C	1	---	1	---
	1153+42.73	RT	31.51' RT	28B	1	---	1	---
	1153+74.27	RT	61.69' RT	EX-1	---	---	1	---
STAGE 4 SUB TOTALS					45	2	33	1
				PROJECT TOTALS	91	6	94	4

TEMPORARY DITCH CHECKS

CAT. 0010		628.7504 TEMPORARY DITCH CHECKS
STATION	LOCATION	LF
1119+82	RT	12
1121+40	RT	12
UNDISTRIBUTED		12
PROJECT TOTAL		36

CULVERT PIPE CHECKS

CAT. 0010		628.7555 CULVERT PIPE CHECKS
STATION	LOCATION	EACH
981+71	LT	7
1000+54	LT	7
1009+12	LT	5
1019+52	LT	14
1030+57	RT	5
1060+52	LT	5
1069+67	LT	5
1086+99	LT	10
1121+85	RT	3
PROJECT TOTAL		61

TRAFFIC CONTROL MARKERS & TEMPORARY DELINEATORS

CAT. 0010					633.1100 DELINEATORS TEMPORARY	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR
STAGE	STATION	-	STATION	LOCATION	EACH	EACH	EACH
STAGE 1A	1125+00	-	1127+90	RT, BEHIND CURB	20	-	-
STAGE 2A	1154+45	-	1157+30	LT, CENTERLINE	-	12	12
	1157+95	-	1161+35	LT, CENTERLINE	-	15	15
	1161+92	-	1164+50	LT, CENTERLINE	-	11	11
	1165+45	-	1168+24	LT, CENTERLINE	-	12	12
	1169+05	-	1171+75	LT, CENTERLINE	-	12	12
			UNDISTRIBUTED		-	10	10
STAGE 2A SUB TOTALS					0	72	72
STAGE 2B	1154+45	-	1157+25	RT, CENTERLINE	-	12	12
	1158+00	-	1164+55	RT, CENTERLINE	-	27	27
	1165+45	-	1168+24	RT, CENTERLINE	-	12	12
	1169+07	-	1171+91	RT, CENTERLINE	-	12	12
			UNDISTRIBUTED		-	10	10
STAGE 2B SUB TOTALS					0	74	74
				PROJECT TOTALS	20	146	146

MOVING SIGNS TYPE II ITEMS

CAT. 0010 STAGE	STATION	LOCATION	SIGN NO.	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	634.0616 * POSTS WOOD 4x6-INCH x 16-FT EACH	COMMENT
NON STAGED	1114+51	RT	3	1	1	-	DIVIDED HWY WARNING
STAGE 2A	9+45	RT	81	1	-	-	STOP @ 6TH ST - SIGNAL POLE
	1154+44	LT	84	1	-	-	STOP FOR 6TH ST - SIGNAL POLE
	1154+90	LT	86	1	-	-	ROUTE MARKER AHEAD - LIGHT POLE
	9+46	RT	95	1	1	-	STOP @ 5TH ST
	9+46	RT	99	1	1	-	STOP @ DEPOT DRIVE
	9+46	RT	105	1	1	-	STOP @ 3RD ST
	9+43	RT	116	1	-	-	STOP @ MAIN ST - SIGNAL POLE
	1169+07	LT	118	1	-	-	STOP FOR MAIN ST - SIGNAL POLE
	1169+99	LT	120	1	1	-	ADOPT A HIGHWAY
STAGE 2A SUB TOTALS				9	4	0	
STAGE 2B	1153+47	RT	79	1	-	-	STOP FOR 6TH ST - SIGNAL POLE
	10+56	LT	82	1	-	-	STOP @ 6TH ST - SIGNAL POLE
	1155+81	RT	89	1	1	-	PEDESTRIAN CROSSING SIGNS
	1156+49	RT	90	1	1	-	SPEED LIMIT 25
	10+54	LT	96	1	1	-	STOP @ 5TH ST
	1166+29	RT	107	1	1	-	JCT / ROUTE 2 MARKER
	1168+23	RT	110	1	-	-	STOP FOR MAIN ST - SIGNAL POLE
	10+56	LT	113	1	-	-	STOP @ MAIN ST - SIGNAL POLE
STAGE 2B SUB TOTALS				8	4	0	
STAGE 2C	1154+90	MEDIAN	85	1	1	-	KEEP RIGHT SYMBOL
	1156+78	MEDIAN	93	1	1	-	KEEP RIGHT SYMBOL
	1158+57	MEDIAN	97	1	1	-	KEEP RIGHT SYMBOL
	1160+76	MEDIAN	98	1	1	-	KEEP RIGHT SYMBOL
	1162+48	MEDIAN	100	1	1	-	KEEP RIGHT SYMBOL
	1164+09	MEDIAN	104	1	1	-	KEEP RIGHT SYMBOL
	1165+87	MEDIAN	106	1	1	-	KEEP RIGHT SYMBOL
	1167+75	MEDIAN	109	1	1	-	KEEP RIGHT SYMBOL
STAGE 2C SUB TOTALS				8	8	0	
STAGE 3	1116+81	LT	4	1	1	-	STOP @ COLLEGE ENTRANCE
	1121+84	LT	13	1	1	-	STOP @ COLLEGE ENTRANCE
	1123+49	LT	14	1	1	-	ROUTE MARKER, NO PARKING
	1124+42	LT	16	1	1	-	SCHOOL ZONE CROSSING SIGNS
	1129+77	LT	27	1	1	-	STOP @ COLLEGE ENTRANCE
	1130+97	LT	30	1	1	-	ADOPT A HIGHWAY
	9+47	RT	33	1	1	-	STOP @ 12TH ST
	1134+00	LT	38	1	1	-	SPEED LIMIT 25
	1135+18	LT	40	1	1	-	HOSPITAL AHEAD
	9+47	RT	43	1	1	-	STOP @ 11TH ST
	1136+07	LT	46	1	1	-	SCHOOL ZONE CROSSING SIGNS
	1136+55	LT	47	1	1	-	NO PARKING HERE TO CORNER
	1136+79	LT	48	1	1	-	COMPACT CARS ONLY
	1138+52	LT	50	1	-	1	SCHOOL SPEED LIMIT
	9+47	RT	54	1	1	-	STOP @ 10TH ST
	1139+72	LT	56	1	1	-	SCHOOL ZONE CROSSING SIGNS
	1141+28	LT	59	1	1	-	SCHOOL SPEED LIMIT
	9+46	RT	61	1	1	-	STOP @ 9TH ST
	1145+33	LT	65	1	1	-	HISTORICAL MARKER
	9+46	RT	66	1	1	-	STOP @ 8TH ST
	9+46	RT	70	1	1	-	STOP @ 7TH ST
	1152+21	LT	75	1	1	-	NO PARKING HERE TO CORNER
STAGE 3 SUB TOTALS				22	21	1	

MOVING SIGNS TYPE II ITEMS

CAT. 0010 STAGE	STATION	LOCATION	SIGN NO.	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	634.0616 * POSTS WOOD 4x6-INCH x 16-FT EACH	COMMENT
STAGE 4	1117+62	RT	5	1	1	-	STOP @ 16TH ST
	1121+59	RT	12	1	1	-	NO PARKING
	1124+11	RT	15	1	1	-	SCHOOL ZONE CROSSING SIGNS
	1125+00	RT	17	1	1	-	NO PARKING
	1127+92	RT	20	1	1	-	SPEED LIMIT 25
	1130+20	RT	28	1	1	-	ROUTE MARKER
	1130+96	RT	29	1	1	-	ADOPT A HIGHWAY
	10+53	LT	34	1	1	-	STOP @ 12TH ST
	1133+80	RT	37	1	1	-	SCHOOL SPEED LIMIT
	1135+33	RT	41	1	1	-	SCHOOL ZONE CROSSING SIGNS
	10+64	RT	42	1	1	-	SCHOOL SPEED LIMIT
	10+53	LT	44	1	1	-	STOP @ 11TH ST
	1137+47	RT	49	1	-	1	SCHOOL SPEED LIMIT
	1138+98	RT	52	1	1	-	SCHOOL ZONE CROSSING SIGNS
	10+53	LT	55	1	1	-	STOP @ 10TH ST
	1140+97	RT	58	1	1	-	SPEED LIMIT 25
	10+53	LT	62	1	1	-	STOP @ 9TH ST
	1143+51	RT	64	1	1	-	ROUTE MARKER
	10+53	LT	67	1	1	-	STOP @ 8TH ST
	1149+28	RT	68	1	1	-	SPEED LIMIT 25
	10+53	LT	71	1	1	-	STOP @ 7TH ST
	1151+36	RT	73	1	1	-	ROUTE MARKER AHEAD
STAGE 4 SUB TOTALS				22	21	1	
STAGE 5	1119+51	LT	9	1	1	-	SPEED LIMIT 35
	1119+62	RT	10	1	1	-	REDUCE SPEED LIMIT 25
	1127+92	LT	21	1	-	1	SPEED LIMIT 35
	1136+11	MEDIAN	45	1	-	1	PEDESTRIAN CROSSING SIGNS
	1138+96	MEDIAN	53	1	-	1	PEDESTRIAN CROSSING SIGNS
STAGE 5 SUB TOTALS				5	2	3	
TABLE TOTAL						5	
PROJECT TOTALS				75	61	*	

*SEE ADDITIONAL WOOD POST QUANTITY IN TYPE II SIGNS TABLE.

MARKERS CULVERT END

CAT. 0010 STATION	LOCATION	633.5200 MARKERS CULVERT END EACH
981+71	STH 13	2
1000+54	STH 13	2
1009+12	STH 13	2
1019+52	STH 13	2
1030+57	STH 13	2
1060+52	STH 13	2
1069+67	STH 13	2
1086+97	STH 13 RT	1
1087+07	STH 13 LT	1
PROJECT TOTAL		16

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TYPE II SIGNS AND POSTS

CAT. 0010 STAGE	STATION	LOCATION	SIGN NO.	SIGN CODE	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 POSTS WOOD 4x6-INCH x 14-FT EACH	634.0616 * POSTS WOOD 4x6-INCH x 16-FT EACH
STAGE 2C	1154+35	RT	83	R10-11B	4.00	-	1	-
	1155+80	LT	88	R3-8LF	8.75	-	1	-
	1169+54	MEDIAN	115	R4-7	5.00	-	1	-
	1170+30	RT	117	R3-8LF	8.75	-	1	-
	1170+67	LT	119	R3-8LF	8.75	-	1	-
	1171+69	MEDIAN	120	R4-7	5.00	-	1	-
STAGE 2C SUB TOTALS					40.25	0.00	6	0
STAGE 3	1118+19	LT	6	R7-1R	3.00	-	1	-
	1128+52	LT	23	R7-1D	3.00	-	1	-
	1129+08	LT	26	S1-1	-	6.75	-	1
	1129+08	LT	26A	S16-7L	-	2.00	-	
	1131+57	LT	31	R7-1L	3.00	-	1	-
	1140+20	LT	57	R7-51L	3.00	-	1	-
	1142+44	LT	60	S1-1	-	6.75	-	1
	1142+44	LT	60A	S16-9P	-	2.00	-	
	1149+28	LT	69	R2-1	5.00	-	1	-
	1151+28	LT	74	J4-1	6.00	-	1	-
STAGE 3 SUB TOTALS					23.00	17.50	6	2
STAGE 4	1128+83	RT	25	S1-1	-	6.75	-	1
	1128+83	RT	25A	S16-7L	-	2.00	-	
	1131+64	RT	32	R7-1R	3.00	-	1	-
	1132+78	RT	36	S1-1	-	6.75	-	1
	1132+78	RT	36A	S16-9P	-	2.00	-	
	1134+87	RT	39	R7-51L	3.00	-	1	-
	1138+54	RT	51	R7-51L	3.00	-	1	-
	1152+36	RT	76	R3-8LF	8.75	-	-	1
	1152+36	RT	77	R7-51L	3.00	-	-	
STAGE 4 SUB TOTALS					20.75	17.50	3	3
STAGE 5	1118+27	MEDIAN	7	R4-7	5.00	0	1	0
				TABLE TOTAL				5
				PROJECT TOTALS	89.00	35.00	16	*

*SEE ADDITIONAL WOOD POST QUANTITY IN MOVING SIGNS TABLE.

REMOVING SIGNS TYPE II ITEMS

CAT. 0010 STAGE	STATION	LOCATION	SIGN NO.	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	COMMENT
STAGE 2A	1155+24	LT	87	1	1	LANE DESIGNATION
	1157+02	LT	94	1	1	LANE DESIGNATION
STAGE 2A SUB TOTALS				2	2	
STAGE 2B	1170+40	RT	118	1	1	LANE DESIGNATION
STAGE 2C	1167+25	MEDIAN	108	1	1	NO LEFT TURN
STAGE 3	1119+11	LT	8	1	1	NO PARKING SIGN
	1143+40	LT	63	1	1	SCHOOL ZONE SYMBOL
	1153+50	LT	80	1	-	OVERHEAD LANE DESIGNATION
STAGE 3 SUB TOTALS				3	2	
STAGE 4	1132+38	RT	35	1	1	SCHOOL ZONE SYMBOL
	1150+73	RT	72	1	1	ROUTE MARKER
	1153+12	RT	78	1	1	LANE DESIGNATION
STAGE 4 SUB TOTALS				3	3	
STAGE 5	1128+72	MEDIAN	24	1	1	KEEP RIGHT SYMBOL
			PROJECT TOTALS	11	10	

FIELD OFFICE

CAT. 0010 LOCATION	642.5401 FIELD OFFICE TYPE D EACH
PROJECT	1
PROJECT TOTAL	1

TRAFFIC CONTROL COVERING SIGNS

CAT. 0010 STAGE	STATION	NUMBER OF CYCLES	NUMBER OF SIGNS	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	COMMENT
STAGE 1B	1128+00 LT	1	1	1	SPEED LIMIT 35
	1153+12 RT	1	1	1	LANE DESIGNATION SIGN
	1155+24 LT	1	1	1	LANE DESIGNATION SIGN
	1157+02 LT	1	1	1	LANE DESIGNATION SIGN
STAGE 1B SUB TOTAL				4	
STAGE 2A	1170+40 RT	1	1	1	LANE DESIGNATION SIGN
			PROJECT TOTAL	5	

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TRAFFIC CONTROL ITEMS

CAT. 0010 STAGE	DAYS (CALENDAR)	DRUMS (COUNT)	643.0300 TRAFFIC CONTROL DRUMS DAY	BARRICADES (COUNT)	643.042 TRAFFIC CONTROL BARRICADES TYPE III DAY	LIGHTS (COUNT)	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	LIGHTS (COUNT)	643.0715 CONTROL WARNING LIGHTS TYPE C DAY	ARROW BOARDS (COUNT)	643.0800 TRAFFIC CONTROL ARROW BOARDS DAY	SIGNS (COUNT)	643.0900 TRAFFIC CONTROL SIGNS DAY	PCMS (COUNT)	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	CONES (COUNT)	643.1070 TRAFFIC CONTROL CONES 42-INCH DAY	643.5000 TRAFFIC CONTROL EACH	COMMENT
NON-STAGED	228	-	-	-	-	-	-	-	-	-	-	28	6,384	-	-	-	-	1	PROJECT
	7	8	56	-	-	-	-	-	-	-	-	-	-	3	21	-	-	-	ADVANCE PROJECT NOTICE
	210	8	1,680	-	-	-	-	-	-	-	-	97	20,370	-	-	-	-	-	ALTERNATE ROUTE STH 112
	100	30	3,000	10	1,000	20	2,000	2	200	-	8	30	3,000	-	-	50	5,000	-	UNDISTRIBUTED
NON-STAGED SUB TOTALS			4,736		1,000		2,000		200		8		29,754		21		5,000	1	
STAGE 1A	7	23	161	-	-	-	-	-	-	-	-	6	42	-	-	-	-	-	
STAGE 1B	8	155	1,240	50	400	71	568	20	160	2	16	46	368	-	-	-	-	-	
STAGE 2A	26	38	988	57	1,482	67	1,742	-	-	-	-	83	2,158	1	26	-	-	-	
STAGE 2B	23	45	1,035	54	1,242	66	1,518	10	230	-	-	81	1,863	1	23	-	-	-	
STAGE 2C	8	69	552	22	176	32	256	-	-	-	-	26	208	1	8	-	-	-	
STAGE 3	63	83	5,229	124	7,812	154	9,702	-	-	-	-	104	6,552	-	-	-	-	-	
STAGE 4	63	57	3,591	96	6,048	118	7,434	7	441	-	-	95	5,985	-	-	45	2,835	-	
STAGE 5	30	145	4,350	8	240	12	360	5	150	-	-	28	840	-	-	-	-	-	
PROJECT TOTALS			21,882		18,400		23,580		1,181		24		47,770		78		7,835	1	

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TEMPORARY PEDESTRIAN ITEMS

CAT. 0010		644.1440 TEMPORARY PEDESTRIAN SURFACE MATTING	644.1601 TEMPORARY PEDESTRIAN CURB RAMP	644.1605 TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	644.1810 TEMPORARY PEDESTRIAN BARRICADE
STAGE	LOCATION	SF	DAY	SF	LF
STAGE 2A	TRI-CO TRAIL	150	38	20	90
	6TH STREET	150	7	10	60
	STH 13 LT	-	-	-	324
	STH 13 RT	-	-	-	84
STAGE 2A SUB TOTALS		300	45	30	558
STAGE 2B	TRI-CO TRAIL	150	32	20	90
	6TH STREET	150	7	10	60
	STH 13 LT	-	-	-	84
	STH 13 RT	-	-	-	312
STAGE 2B SUB TOTALS		300	39	30	546
STAGE 3	11TH STREET	125	70	20	94
	8TH STREET	125	28	10	78
	STH 13 LT	-	-	-	334
	STH 13 RT	-	-	-	144
STAGE 3 SUB TOTALS		250	98	30	650
STAGE 4	11TH STREET	125	70	20	94
	8TH STREET	125	28	10	78
	STH 13 LT	-	-	-	156
	STH 13 RT	-	-	-	368
STAGE 4 SUB TOTALS		250	98	30	696
	UNDISTRIBUTED	640	65	40	256
	PROJECT TOTALS	1740	345	160	2706

TEMPORARY MARKING LINE & REMOVAL LINE ITEMS

CAT. 0010					643.3165 TEMPORARY MARKING LINE PAINT 6-INCH	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH	646.9000 MARKING REMOVAL LINE 4-INCH	646.9100 MARKING REMOVAL LINE 8-INCH	646.9200 MARKING REMOVAL LINE WIDE	646.9300 MARKING REMOVALSPECIAL MARKING	
STAGE	STATION	-	STATION	LOCATION	LF	LF	LF	LF	LF	EACH	COMMENT
STAGE 1B	1114+75	-	1116+89	RT, EDGELINE	---	---	214	---	---	---	EDGELINE REMOVAL
	1117+80	-	1122+09	RT, EDGELINE	---	---	429	---	---	---	EDGELINE REMOVAL
	1115+88	-	1117+07	TAPER @ 16TH ST	---	119	---	---	---	---	YELLOW
	1117+80	-	1128+20	RT, EDGELINE	1040	---	---	---	---	---	WHITE
	1117+79	-	1131+78	RT, CENTERLINE	2798	---	---	---	---	---	DOUBLE YELLOW
	1132+32	-	1135+42	RT, CENTERLINE	620	---	---	---	---	---	DOUBLE YELLOW
	1136+03	-	1139+01	RT, CENTERLINE	596	---	---	---	---	---	DOUBLE YELLOW
	1139+66	-	1142+72	RT, CENTERLINE	612	---	---	---	---	---	DOUBLE YELLOW
	1143+32	-	1146+38	RT, CENTERLINE	612	---	---	---	---	---	DOUBLE YELLOW
	1146+96	-	1150+03	RT, CENTERLINE	614	---	---	---	---	---	DOUBLE YELLOW
	1150+69	-	1152+19	RT, CENTERLINE	300	---	---	---	---	---	DOUBLE YELLOW
	1152+05	-	1152+70	RT, EDGELINE	---	---	65	---	---	---	EDGELINE REMOVAL
	1152+23	-	1153+52	LT, EDGELINE	---	---	129	---	---	---	EDGELINE REMOVAL
	1152+86	-	1153+59	RT, LANE LINE	---	---	22	---	---	---	SKIP REMOVAL
	1153+00	-	1153+59	NB LEFT TURN LANE	---	---	---	59	---	---	CHANNELIZING LINE REMOVAL
	1153+18	-		NB LEFT TURN LANE	---	---	---	---	---	1	'ONLY' WORD REMOVAL
	1153+46	-		NB LEFT TURN LANE	---	---	---	---	---	1	ARROW REMOVAL
	1114+70	-	1171+95	UNDISTRIBUTED	1114	72	91	23	---	1	MISC. TC & REMOVALS
	1154+40	-	1154+96	LT, TURN LANE	---	---	---	56	---	---	
	1153+59	-		STOP LINE	---	---	---	---	41	---	
	1154+40	-		STOP LINE	---	---	---	---	40	---	
	1168+24	-		STOP LINE	---	---	---	---	39	---	
	1169+03	-		STOP LINE	---	---	---	---	40	---	
	1167+85	-	1168+24	NB, LT, TURN LANE	---	---	---	39	---	---	
	1167+64	-	1168+24	LT LANE	---	---	---	25	---	---	
	1169+00	-	1170+63	RT LANE	---	---	---	50	---	---	
	1169+03	-	1169+73	SB, LT, TURN LANE	---	---	---	70	---	---	
	1167+85			NB, LT, TURN LANE	---	---	---	---	---	1	
	1168+10			NB, LT, TURN LANE	---	---	---	---	---	1	
	1169+28			SB, LT, TURN LANE	---	---	---	---	---	1	
	1169+59			SB, LT, TURN LANE	---	---	---	---	---	1	
	1154+40	-	1154+96	RIGHT TURN LANE	---	---	---	56	---	---	CHANNELIZING LINE REMOVAL
	1154+40	-	1155+43	RT, CENTERLINE	---	---	206	---	---	---	CENTERLINE REMOVAL
	1154+53			SB LEFT TURN LANE	---	---	---	---	---	1	ARROW REMOVAL
	1154+86			SB LEFT TURN LANE	---	---	---	---	---	1	'ONLY' WORD REMOVAL
	1154+53			SB RIGHT TURN LANE	---	---	---	---	---	1	ARROW REMOVAL
	1154+86			SB RIGHT TURN LANE	---	---	---	---	---	1	'ONLY' WORD REMOVAL
	1155+37			SB RIGHT TURN LANE	---	---	---	---	---	1	ARROW REMOVAL
	1155+78			SB RIGHT TURN LANE	---	---	---	---	---	1	'ONLY' WORD REMOVAL
	1167+27	-	1168+24	LT, CENTERLINE	---	---	194	---	---	---	CENTERLINE REMOVAL
STAGE 1B SUB TOTALS					8306	191	1350	378	160	13	
STAGE 2A	1154+37	-	1170+52	RT, LANE	---	---	400	---	---	---	SKIP LINE REMOVAL
	1169+03	-	1170+35	RT, CENTERLINE	---	---	264	---	---	---	CENTERLINE REMOVAL
	1154+41	-	1157+29	RT, CENTERLINE	576	---	---	---	---	---	DOUBLE YELLOW
	1158+00	-	1164+57	RT, CENTERLINE	1314	---	---	---	---	---	DOUBLE YELLOW
	1165+46	-	1168+24	RT, CENTERLINE	556	---	---	---	---	---	DOUBLE YELLOW
	1169+07	-	1171+93	RT, CENTERLINE	572	---	---	---	---	---	DOUBLE YELLOW
	1171+01	-	1171+91	NB RT TURN LANE	---	---	---	90	---	---	
	1171+26			NB RT TURN LANE	---	---	---	---	---	1	'ONLY' WORD REMOVAL
	1171+66			NB RT TURN LANE	---	---	---	---	---	1	ARROW REMOVAL
	1171+01	-	1171+91	NB LT TURN LANE	---	---	---	90	---	---	
	1171+66			NB THRU LANE	---	---	---	---	---	1	ARROW REMOVAL
STAGE 2A SUB TOTALS					3018	0	664	180	0	3	

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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	MISCELLANEOUS QUANTITIES	SHEET 207	E

TEMPORARY MARKING LINE & REMOVAL LINE ITEMS - CONTINUED

CAT. 0010					643.3165 TEMPORARY MARKING LINE PAINT 6-INCH	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH	646.9000 MARKING REMOVAL LINE 4-INCH	646.9100 MARKING REMOVAL LINE 8-INCH	646.9200 MARKING REMOVAL LINE WIDE	646.9300 MARKING REMOVAL SPECIAL MARKING	COMMENT
STAGE	STATION	-	STATION	LOCATION	LF	LF	LF	LF	LF	EACH	
STAGE 2B	1152+19	-	1153+55	TAPER @ 6TH ST	---	272	---	---	---	---	DOUBLE YELLOW
	1152+19	-	1153+51	RT, TAPER EDGELINE	---	132	---	---	---	---	WHITE
	1152+17	-	1153+43	LT, TAPER EDGELINE	---	126	---	---	---	---	WHITE
	1154+45	-	1157+41	LT, CENTERLINE	592	---	---	---	---	---	DOUBLE YELLOW
	1157+95	-	1161+46	LT, CENTERLINE	702	---	---	---	---	---	DOUBLE YELLOW
	1161+92	-	1164+52	LT, CENTERLINE	520	---	---	---	---	---	DOUBLE YELLOW
	1165+44	-	1168+24	LT, CENTERLINE	560	---	---	---	---	---	DOUBLE YELLOW
	1169+05	-	1171+78	LT, CENTERLINE	546	---	---	---	---	---	DOUBLE YELLOW
STAGE 2B SUB TOTALS					2920	530	0	0	0	0	
STAGE 3	1114+75	-	1117+90	CENTERLINE	---	---	630	---	---	---	CENTERLINE REMOVAL
	1114+75	-	1117+06	TAPER @ 16TH ST	462	---	---	---	---	---	DOUBLE YELLOW
	1117+38	-	1130+72	SB EDGELINE	1334	---	---	---	---	---	WHITE
STAGE 3 SUB TOTALS					1796	0	630	0	0	0	
STAGE 4	1114+75	-	1116+98	TAPER @ 16TH ST	---	446	---	---	---	---	DOUBLE YELLOW
	1114+70	-	1116+97	RT, TAPER EDGELINE	---	227	---	---	---	---	WHITE
	1117+80	-	1129+61	NB EDGELINE	1181	---	---	---	---	---	WHITE
	1117+69	-	1129+60	LT, CENTERLINE	2382	---	---	---	---	---	DOUBLE YELLOW
	1130+31	-	1131+76	LT, CENTERLINE	290	---	---	---	---	---	DOUBLE YELLOW
	1132+36	-	1135+38	LT, CENTERLINE	604	---	---	---	---	---	DOUBLE YELLOW
	1136+02	-	1139+04	LT, CENTERLINE	604	---	---	---	---	---	DOUBLE YELLOW
	1139+66	-	1142+69	LT, CENTERLINE	606	---	---	---	---	---	DOUBLE YELLOW
	1143+33	-	1146+36	LT, CENTERLINE	606	---	---	---	---	---	DOUBLE YELLOW
	1147+00	-	1150+01	LT, CENTERLINE	602	---	---	---	---	---	DOUBLE YELLOW
	1150+66	-	1153+36	LT, CENTERLINE	540	---	---	---	---	---	DOUBLE YELLOW
STAGE 4 SUB TOTALS					7415	673	0	0	0	0	
STAGE 5	1115+97	-	1117+07	TAPER @ 16TH ST	---	110	---	---	---	---	YELLOW
				PROJECT TOTALS	23,455	1,504	2,644	558	160	16	

MARKING LINE EPOXY ITEMS

CAT. 0010				646.2040 MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH	643.3170 * TEMPORARY MARKING LINE EPOXY 6-INCH	646.1020 ** MARKING LINE EPOXY 4-INCH	646.4040 MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH	COMMENT
STATION	-	STATION	LOCATION	LF	LF	LF	LF	
8+80	-	9+46	6TH ST WEST	---	---	---	66	CHANNELIZING FOR RIGHT TURN LANE
10+57	-	11+08	6TH ST EAST	---	---	---	51	CHANNELIZING FOR RIGHT TURN LANE
10+59	-	11+50	MAIN ST EAST	---	---	---	91	CHANNELIZING FOR RIGHT TURN LANE
977+96	-	1116+72	RT, STH 13 EDGELINE	13470	---	---	---	ACCOUNTED FOR SIDE ROAD GAPS
977+96	-	1116+62	LT, STH 13 EDGELINE	13581	---	---	---	ACCOUNTED FOR SIDE ROAD GAPS
977+96	-	1019+09	STH 13	1028	1686	---	---	PASSING BOTH DIRECTONS
1019+09	-	1029+65	STH 13	1320	3601	---	---	PASSING ONE DIRECTON
1029+65	-	1037+04	STH 13	1478	4434	---	---	NO PASSING
1037+04	-	1048+66	STH 13	1453	3962	---	---	PASSING ONE DIRECTON
1048+66	-	1055+52	STH 13	172	281	---	---	PASSING BOTH DIRECTONS
1055+52	-	1063+44	STH 13	990	2701	---	---	PASSING ONE DIRECTON
1061+95	-	1065+95	RT, STH 13 BYPASS	100	---	---	---	BYPASS LANE SKIPS
1063+44	-	1100+35	STH 13	923	1513	---	---	PASSING BOTH DIRECTONS
1063+98	-	1066+63	LT, STH 13	---	---	---	265	CHANNELIZING FOR RIGHT TURN LANE
1100+35	-	1101+85	STH 13	38	24	---	---	PASSING BOTH DIRECTONS

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MARKING LINE EPOXY ITEMS - CONTINUED

CAT. 0010				646.2040 MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH	643.3170 * TEMPORARY MARKING LINE EPOXY 6-INCH	646.1020 ** MARKING LINE EPOXY 4-INCH	646.4040 MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH	COMMENT
STATION	-	STATION	LOCATION	LF	LF	LF	LF	
1101+85	-	1108+90	STH 13	881	1523	---	---	PASSING ONE DIRECTON
1108+90	-	1116+72	STH 13	1564	3128	---	---	NO PASSING
1116+72	-	1118+37	RT, STH 13	165	---	---	---	SINGLE YELLOW TO MEDIAN ISLAND
1116+72	-	1118+37	LT, STH 13	165	---	---	---	SINGLE YELLOW TO MEDIAN ISLAND
1118+05	-	1131+22	RT, STH 13 EDGELINE	1309	---	---	---	LESS MID-BLOCK X-WALKS
1118+63	-	1121+64	LT, STH 13 EDGELINE	301	---	---	---	
1122+38	-	1129+48	LT, STH 13 EDGELINE	702	---	---	---	LESS MID-BLOCK X-WALKS
1130+59	-	1131+09	LT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1131+09	-	1131+72	LT, STH 13 EDGELINE	63	---	---	---	
1132+34	-	1134+89	RT, STH 13 EDGELINE	255	---	255	---	
1132+34	-	1132+84	LT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1132+84	-	1135+39	LT, STH 13 EDGELINE	255	---	255	---	
1134+89	-	1135+39	RT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1136+02	-	1138+55	RT, STH 13 EDGELINE	253	---	253	---	
1136+02	-	1136+52	LT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1136+52	-	1139+05	LT, STH 13 EDGELINE	253	---	253	---	
1138+55	-	1139+05	RT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1139+67	-	1142+21	RT, STH 13 EDGELINE	254	---	254	---	
1139+67	-	1140+17	LT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1140+17	-	1142+71	LT, STH 13 EDGELINE	254	---	254	---	
1142+21	-	1142+71	RT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1143+34	-	1145+87	RT, STH 13 EDGELINE	253	---	253	---	
1143+34	-	1143+84	LT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1143+84	-	1146+37	LT, STH 13 EDGELINE	253	---	253	---	
1145+87	-	1146+37	RT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1147+00	-	1149+53	RT, STH 13 EDGELINE	253	---	253	---	
1147+00	-	1147+50	LT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1147+50	-	1150+03	LT, STH 13 EDGELINE	253	---	253	---	
1149+53	-	1150+03	RT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1150+66	-	1153+07	RT, STH 13 EDGELINE	241	---	---	---	
1150+66	-	1153+19	RT, STH 13	---	---	253	---	
1150+66	-	1151+16	LT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1151+16	-	1153+55	LT, STH 13 EDGELINE	239	---	239	---	
1152+30	-	1153+02	RT, STH 13 EDGELINE	72	---	---	---	
1152+61	-	1153+48	STH 13	348	---	---	---	NO PASSING @ MEDIAN EXTENSION
1152+74	-	1153+50	RT, STH 13	---	---	---	76	CHANNELIZING FOR LEFT TURN LANE
1152+90	-	1153+55	LT, STH 13 EDGELINE	65	---	---	---	
1153+04	-	1153+49	RT, STH 13 EDGELINE	12	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1154+40	-	1156+83	RT, STH 13 EDGELINE	243	---	---	---	LESS MID-BLOCK X-WALK
1154+45	-	1154+95	LT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1154+45	-	1155+29	LT, STH 13	---	---	---	84	CHANNELIZING FOR LEFT TURN LANE
1154+95	-	1157+33	LT, STH 13 EDGELINE	238	---	---	---	LESS MID-BLOCK X-WALK
1156+56	-	1157+32	RT, STH 13	---	---	---	76	CHANNELIZING FOR LEFT TURN LANE
1156+83	-	1157+33	RT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1158+01	-	1164+12	RT, STH 13 EDGELINE	611	---	---	---	
1158+02	-	1158+52	LT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1158+02	-	1159+02	LT, STH 13	---	---	---	100	CHANNELIZING FOR LEFT TURN LANE
1158+52	-	1161+26	LT, STH 13 EDGELINE	274	---	---	---	
1160+26	-	1161+26	RT, STH 13	---	---	---	143	CHANNELIZING FOR LEFT TURN LANE
1162+05	-	1162+55	LT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1162+55	-	1164+61	LT, STH 13 EDGELINE	206	---	---	---	
1163+62	-	1164+62	RT, STH 13	---	---	---	100	CHANNELIZING FOR LEFT TURN LANE
1164+12	-	1164+62	RT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1165+36	-	1165+86	LT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1165+36	-	1166+36	LT, STH 13	---	---	---	100	CHANNELIZING FOR LEFT TURN LANE

MARKING LINE EPOXY ITEMS - CONTINUED

CAT. 0010 STATION	-	STATION	LOCATION	646.2040 MARKING LINE GROOVED WET REFLECTIVE EPOXY 6-INCH LF	643.3170 * TEMPORARY MARKING LINE EPOXY 6-INCH LF	646.1020 ** MARKING LINE EPOXY 4-INCH LF	646.4040 MARKING LINE GROOVED WET REFLECTIVE EPOXY 10-INCH LF	COMMENT
1165+38	-	1167+73	RT, STH 13 EDGELINE	235	---	---	---	
1165+86	-	1168+27	LT, STH 13 EDGELINE	241	---	---	---	
1167+23	-	1168+23	RT, STH 13	---	---	---	100	CHANNELIZING FOR LEFT TURN LANE
1167+73	-	1168+23	RT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1169+08	-	1171+42	RT, STH 13 EDGELINE	234	---	---	---	
1169+09	-	1169+59	LT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
1169+09	-	1169+97	LT, STH 13	---	---	---	88	CHANNELIZING FOR LEFT TURN LANE
1169+59	-	1171+92	LT, STH 13 EDGELINE	233	---	---	---	
1170+45	-	1171+92	LT, STH 13 MEDIAN	147	---	---	---	YELLOW EDGELINE
1170+46	-	1171+92	RT, STH 13	---	---	---	146	CHANNELIZING FOR LEFT TURN LANE
1171+42	-	1171+92	RT, STH 13 EDGELINE	13	---	---	---	3-FT LINE - 9-FT GAP SEQUENCE
			PROJECT TOTALS	46,150	22,854	3,028	1,486	

*TEMPORARY MARKING LINE EPOXY ITEM INCLUDES ONE APPLICATION EACH ON MILLED SURFACE AND LOWER LAYER SURFACE PLUS FULL LENGTH FINAL SURFACE APPLICATION PRIOR TO RUMBLE ST

**MARKING LINE EPOXY 4-INCH ITEM USED FOR DELINEATION LINE BETWEEN BIKE LANE AND PARKING LANE.

MARKING ARROW, WORD & SYMBOL EPOXY ITEMS

CAT. 0010 STATION	LOCATION	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.5220 MARKING SYMBOL EPOXY EACH	COMMENT
---	SB STH 13	2	1	-	RIGHT TURN LANE @ BINSFIELD RD
1129+21	SB STH 13	1	-	-	BIKE LANE
1129+33	SB STH 13	-	-	1	BIKE LANE
1131+41	NB STH 13	-	-	1	BIKE LANE
1131+53	NB STH 13	1	-	-	BIKE LANE
1132+43	NB STH 13	-	-	1	BIKE LANE
1132+55	NB STH 13	1	-	-	BIKE LANE
1132+59	SB STH 13	1	-	-	BIKE LANE
1132+71	SB STH 13	-	-	1	BIKE LANE
1135+00	NB STH 13	-	-	1	BIKE LANE
1135+12	NB STH 13	1	-	-	BIKE LANE
1135+06	SB STH 13	1	-	-	BIKE LANE
1135+18	SB STH 13	-	-	1	BIKE LANE
1136+20	NB STH 13	-	-	1	BIKE LANE
1136+32	NB STH 13	1	-	-	BIKE LANE
1136+27	SB STH 13	1	-	-	BIKE LANE
1136+39	SB STH 13	-	-	1	BIKE LANE
1138+66	NB STH 13	-	-	1	BIKE LANE
1138+78	NB STH 13	1	-	-	BIKE LANE
1138+73	SB STH 13	1	-	-	BIKE LANE
1138+85	SB STH 13	-	-	1	BIKE LANE
1139+87	NB STH 13	-	-	1	BIKE LANE
1139+99	NB STH 13	1	-	-	BIKE LANE
1139+93	SB STH 13	1	-	-	BIKE LANE
1140+05	SB STH 13	-	-	1	BIKE LANE
1142+33	NB STH 13	-	-	1	BIKE LANE
1142+45	NB STH 13	1	-	-	BIKE LANE
1142+39	SB STH 13	1	-	-	BIKE LANE
1142+51	SB STH 13	-	-	1	BIKE LANE
1143+53	NB STH 13	-	-	1	BIKE LANE

MARKING ARROW, WORD & SYMBOL EPOXY ITEMS - CONTINUED

CAT. 0010 STATION	LOCATION	0646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.5220 MARKING SYMBOL EPOXY EACH	COMMENT
1143+65	NB STH 13	1	-	-	BIKE LANE
1143+59	SB STH 13	1	-	-	BIKE LANE
1143+71	SB STH 13	-	-	1	BIKE LANE
1145+99	NB STH 13	-	-	1	BIKE LANE
1146+11	NB STH 13	1	-	-	BIKE LANE
1146+06	SB STH 13	1	-	-	BIKE LANE
1146+18	SB STH 13	-	-	1	BIKE LANE
1147+19	NB STH 13	-	-	1	BIKE LANE
1147+31	NB STH 13	1	-	-	BIKE LANE
1147+26	SB STH 13	1	-	-	BIKE LANE
1147+38	SB STH 13	-	-	1	BIKE LANE
1149+66	NB STH 13	-	-	1	BIKE LANE
1149+78	NB STH 13	1	-	-	BIKE LANE
1149+72	SB STH 13	1	-	-	BIKE LANE
1149+84	SB STH 13	-	-	1	BIKE LANE
1150+85	NB STH 13	-	-	1	BIKE LANE
1150+97	NB STH 13	1	-	-	BIKE LANE
1150+91	SB STH 13	1	-	-	BIKE LANE
1151+03	SB STH 13	-	-	1	BIKE LANE
1153+11	NB STH 13	-	-	1	BIKE LANE
1153+23	NB STH 13	1	-	-	BIKE LANE
1153+27	SB STH 13	1	-	-	BIKE LANE
1153+39	SB STH 13	-	-	1	BIKE LANE
1153+11	NB STH 13	1	-	-	LEFT TURN LANE @ 6TH ST
1153+11	NB STH 13	1	-	-	THRU AND RIGHT LANE @ 6TH ST
---	6TH ST W	1	-	-	RT TURN LANE @ ELLIS AVE
---	6TH ST E	1	-	-	RT TURN LANE @ ELLIS AVE
---	SB STH 13	1	-	-	LEFT TURN LANE @ 6TH ST
---	SB STH 13	1	-	-	THRU AND RIGHT LANE @ 6TH ST
1154+60	NB STH 13	-	-	1	BIKE LANE

MARKING ARROW, WORD & SYMBOL EPOXY ITEMS - CONTINUED

CAT. 0010		646.5020 MARKING ARROW EPOXY	646.5120 MARKING WORD EPOXY	646.5220 MARKING SYMBOL EPOXY	COMMENT
STATION	LOCATION	EACH	EACH	EACH	
1154+72	NB STH 13	1	-	-	BIKE LANE
1154+69	SB STH 13	1	-	-	BIKE LANE
1154+81	SB STH 13	-	-	1	BIKE LANE
1156+95	NB STH 13	-	-	1	BIKE LANE
1157+07	NB STH 13	1	-	-	BIKE LANE
1156+97	SB STH 13	1	-	-	BIKE LANE
1157+09	SB STH 13	-	-	1	BIKE LANE
1157+03	NB STH 13	1	-	-	LEFT TURN LANE @ 5TH ST
1158+20	NB STH 13	-	-	1	BIKE LANE
1158+32	NB STH 13	1	-	-	BIKE LANE
1158+27	SB STH 13	1	-	-	BIKE LANE
1158+39	SB STH 13	-	-	1	BIKE LANE
---	SB STH 13	2	-	-	LEFT TURN LANE @ 5TH ST
1160+70	NB STH 13	-	-	1	BIKE LANE
1160+82	NB STH 13	1	-	-	BIKE LANE
1160+93	SB STH 13	1	-	-	BIKE LANE
1161+05	SB STH 13	-	-	1	BIKE LANE
---	NB STH 13	2	-	-	LEFT TURN LANE @ DEPOT DRIVE
1162+65	SB STH 13	1	-	-	BIKE LANE
1162+77	SB STH 13	-	-	1	BIKE LANE
1163+26	NB STH 13	1	-	-	BIKE LANE
1163+38	NB STH 13	-	-	1	BIKE LANE
---	NB STH 13	2	-	-	LEFT TURN LANE @ 3RD ST
1165+58	NB STH 13	-	-	1	BIKE LANE
1165+70	NB STH 13	1	-	-	BIKE LANE
1165+61	SB STH 13	1	-	-	BIKE LANE
1165+73	SB STH 13	-	-	1	BIKE LANE
---	SB STH 13	2	-	-	LEFT TURN LANE @ 3RD ST
1167+88	NB STH 13	-	-	1	BIKE LANE
1168+00	NB STH 13	1	-	-	BIKE LANE
1167+95	SB STH 13	1	-	-	BIKE LANE
1168+07	SB STH 13	-	-	1	BIKE LANE
---	NB STH 13	2	-	-	LEFT TURN LANE @ MAIN ST
---	MAIN ST E	2	-	-	RT TURN LANE @ ELLIS AVE
1169+28	NB STH 13	-	-	1	BIKE LANE
1169+40	NB STH 13	1	-	-	BIKE LANE
1169+32	SB STH 13	1	-	-	BIKE LANE
1169+44	SB STH 13	-	-	1	BIKE LANE
---	SB STH 13	2	-	-	LEFT TURN LANE @ MAIN ST
---	SB STH 13	2	-	-	THRU AND RIGHT LANE @ MAIN ST
---	NB STH 13	2	-	-	LEFT TURN LANE @ USH 2
---	NB STH 13	2	-	-	THRU AND RIGHT LANE @ USH 2
1171+54	NB STH 13	-	-	1	BIKE LANE
1171+66	NB STH 13	1	-	-	BIKE LANE
1171+60	SB STH 13	1	-	-	BIKE LANE
1171+72	SB STH 13		-	1	BIKE LANE
PROJECT TOTALS		73	1	44	

MARKING STOP LINE EPOXY

CAT. 0010			646.6120 MARKING STOP LINE EPOXY 18-INCH	COMMENT
STAGE	STATION	LOCATION	LF	
STAGE 2A	1154+44.5	STH 13	31.3	CROSSING AT 6TH ST NORTH
	9+45.5	6TH ST WEST	24.4	
	9+47.5	SUPER ONE ENTR	24.0	
	9+47.5	DEPOT DRIVE	17.0	
	9+48	3RD ST WEST	20.0	
	9+46.5	MAIN ST WEST	21.0	
	1169+10	STH 13	30.0	CROSSING AT MAIN ST NORTH
STAGE 2A SUB TOTAL			167.7	
STAGE 2B	10+55	6TH ST EAST	23.8	
	10+52.5	5TH ST EAST	18.0	
	10+52.5	3RD ST EAST	20.4	
	1168+23	STH 13	30.0	CROSSING AT MAIN ST SOUTH
	10+58.5	MAIN ST EAST	21.0	
	1171+92.5	STH 13	34.8	CROSSING AT USH 2 SOUTH
STAGE 2B SUB TOTAL			148.0	
STAGE 3	9+60.5	S. COLLEGE ENTR	12.0	STOP LINE FOR CURB RAMP
	9+48	N. COLLEGE ENTR	21.7	
	9+48	12TH ST WEST	14.5	
	9+48	11TH ST WEST	16.0	
	9+48	10TH ST WEST	16.0	
	9+47	9TH ST WEST	15.0	
	9+47	8TH ST WEST	14.0	
	9+47	7TH ST WEST	16.0	
STAGE 3 SUB TOTAL			125.2	
STAGE 4	10+52	12TH ST EAST	14.5	
	10+52	11TH ST EAST	16.0	
	10+52	10TH ST EAST	16.5	
	10+52	9TH ST EAST	16.0	
	10+52	8TH ST EAST	15.2	
	10+52	7TH ST EAST	16.0	
	1153+50	STH 13	34.6	CROSSING AT 6TH ST SOUTH
STAGE 4 SUB TOTAL			128.8	
		PROJECT TOTAL	570	

MARKING DIAGONAL, CURB & ISLAND NOSE EPOXY ITEMS

CAT. 0010 STAGE	STATION		LOCATION	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	COMMENT
STAGE 2C	1154+51		NB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1157+16		SB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1158+19		NB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1161+14		SB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1162+16		NB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1164+47		SB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1165+49		NB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1168+14		SB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1169+16		NB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1171+90		SB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1171+66	- 1171+85	MEDIAN	38	-	-	
	1170+45	- 1171+92	SB STH 13	-	-	36	ON MEDIAN SIDE
STAGE 2C SUB TOTALS				38	10	36	
STAGE 5	1118+20		NB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1118+25	- 1118+44	MEDIAN	38	-	-	
	1121+39	- 1121+58	MEDIAN	38	-	-	
	1121+63		SB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1122+39		NB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1122+44	- 1122+63	MEDIAN	38	-	-	
	1129+35	- 1129+53	MEDIAN	36	-	-	
	1129+58		SB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1130+51		NB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1130+56	- 1130+74	MEDIAN	36	-	-	
	1131+47	- 1131+65	MEDIAN	36	-	-	
	1131+70		SB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1132+36		NB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1132+41	- 1132+59	MEDIAN	36	-	-	
	1135+13	- 1135+32	MEDIAN	38	-	-	
	1135+37		SB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1136+04		NB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1136+09	- 1136+28	MEDIAN	38	-	-	
	1138+79	- 1138+98	MEDIAN	38	-	-	
	1139+03		SB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1139+69		NB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1139+74	- 1139+93	MEDIAN	38	-	-	
	1142+45	- 1142+64	MEDIAN	38	-	-	
	1142+69		SB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1143+36		NB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1143+41	- 1143+59	MEDIAN	36	-	-	
	1146+11	- 1146+30	MEDIAN	38	-	-	
	1146+35		SB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1147+02		NB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1147+07	- 1147+26	MEDIAN	38	-	-	
	1149+77	- 1149+96	MEDIAN	38	-	-	
	1150+01		SB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1150+68		NB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1150+73	- 1150+91	MEDIAN	36	-	-	
	1152+61		SB STH 13	-	1	-	PHYSICAL MEDIAN NOSE
	1153+50		SB STH 13	-	1	-	EPOXY MEDIAN NOSE
STAGE 5 SUB TOTALS				634	19	0	
PROJECT TOTALS				672	29	36	

MARKING CROSSWALK EPOXY ITEMS

CAT. 0010 STAGE	STATION	LOCATION	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.7520 MARKING CROSSWALK EPOXY BLOCK STYLE LF	COMMENT
STAGE 2A	9+52.5	6TH ST WEST	106.4	-	
	9+56.5	3RD ST WEST	88.6	-	
	9+56	DEPOT DRIVE	77.5	-	
	9+55	MAIN ST WEST	90.7	-	
	9+56	SUPER ONE ENTR	87.5	-	
STAGE 2A SUB TOTALS			451	0	ROUNDED TO WHOLE NUMBER
STAGE 2B	10+48.5	6TH ST EAST	113.0	-	
	10+44	5TH ST EAST	79.5	-	
	10+44	3RD ST EAST	91.4	-	
	10+49.5	MAIN ST EAST	90.0	-	
STAGE 2B SUB TOTALS			374	0	ROUNDED TO WHOLE NUMBER
STAGE 3	9+56	N. COLLEGE ENTR	106.8	-	
	9+56	12TH ST WEST	66.0	-	
	9+55.5	11TH ST WEST	70.6	-	
	9+55.5	10TH ST WEST	66.8	-	
	9+54.5	9TH ST WEST	65.5	-	
	9+54.5	8TH ST WEST	57.5	-	
	9+54.5	7TH ST WEST	65.5	-	
STAGE 3 SUB TOTALS			499	0	ROUNDED TO WHOLE NUMBER
STAGE 4	10+44.5	12TH ST EAST	63.0	-	
	10+44.5	11TH ST EAST	70.6	-	
	10+44.5	10TH ST EAST	68.2	-	
	10+44.5	9TH ST EAST	66.3	-	
	10+44.5	8TH ST EAST	67.0	-	
	10+44.5	7TH ST EAST	66.2	-	
STAGE 4 SUB TOTALS			401	0	ROUNDED TO WHOLE NUMBER

MARKING CROSSWALK EPOXY ITEMS - CONTINUED

CAT. 0010			646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH	646.7520 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH	
STAGE	STATION	LOCATION	LF	LF	COMMENT
NON STAGED	1124+25.5	RT, STH 13	-	32	CROSSING AT BROWNELL BLDG
	1124+25.5	LT, STH 13	-	32	CROSSING AT BROWNELL BLDG
	1128+95.5	RT, STH 13	-	24	CROSSING AT ATHLETIC FIELDS
	1128+95.5	LT, STH 13	-	30	CROSSING AT ATHLETIC FIELDS
	1131+75.5	STH 13	127.5	-	CROSSING AT 12TH ST SOUTH
	1132+30.5	STH 13	129.0	-	CROSSING AT 12TH ST NORTH
	1135+41.5	STH 13	129.8	-	CROSSING AT 11TH ST SOUTH
	1135+98.5	STH 13	130.0	-	CROSSING AT 11TH ST NORTH
	1139+08	STH 13	122.6	-	CROSSING AT 10TH ST SOUTH
	1139+64	STH 13	124.9	-	CROSSING AT 10TH ST NORTH
	1142+74	STH 13	123.6	-	CROSSING AT 9TH ST SOUTH
	1143+30	STH 13	124.5	-	CROSSING AT 9TH ST NORTH
	1146+40.5	STH 13	122.2	-	CROSSING AT 8TH ST SOUTH
	1146+96.5	STH 13	123.6	-	CROSSING AT 8TH ST NORTH
	1150+06.5	STH 13	125.0	-	CROSSING AT 7TH ST SOUTH
	1150+62.5	STH 13	124.0	-	CROSSING AT 7TH ST NORTH
	1153+57	STH 13	130.0	-	CROSSING AT 6TH ST SOUTH
	1154+37.5	STH 13	142.2	-	CROSSING AT 6TH ST NORTH
	1155+92.5	RT, STH 13	-	55	CROSSING AT TRI-COUNTY TRAIL
	1155+92.5	LT, STH 13	-	55	CROSSING AT TRI-COUNTY TRAIL
	1157+34	STH 13	127.7	-	CROSSING AT 5TH ST SOUTH
	1157+98.5	STH 13	127.8	-	CROSSING AT 5TH ST NORTH
	1164+65.5	STH 13	130.0	-	CROSSING AT 3RD ST SOUTH
	1165+33.5	STH 13	142.2	-	CROSSING AT 3RD ST NORTH
	1168+30.5	STH 13	126.4	-	CROSSING AT MAIN ST SOUTH
	1169+01.5	STH 13	130.3	-	CROSSING AT MAIN ST NORTH
NON STAGED SUB TOTALS			2563	228	ROUNDED TO WHOLE NUMBER
		PROJECT TOTALS	4,288	228	

CONSTRUCTION STAKING MISCELLANEOUS ITEMS

CAT. 0010	650.8501 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) 01.1610-00-77	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01.1610-00-77
	EACH	EACH
PROJECT	1	1
PROJECT TOTALS	1	1

CONSTRUCTION STAKING ROADWAY ITEMS

CAT. 0010						650.4500 CONSTRUCTION STAKING SUBGRADE	650.5000 CONSTRUCTION STAKING BASE	650.9920 CONSTRUCTION STAKING SLOPE STAKES	SPV.0090.03 CONSTRUCTION STAKING SUBBASE	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE
STAGE	STATION	-	STATION		LOCATION	LF	LF	LF	LF	LF
NON STAGED	977+96	-	1116+45	LT/RT	STH 13	-	-	-	-	13849
STAGE 2A	9+31	-	9+39	LT	6TH ST WEST	-	8	-	-	-
	9+37	-	9+49	LT	SUPER ONE ENTR	-	12	-	-	-
	9+34	-	9+48	LT	DEPOT DR	-	14	-	-	-
	9+39	-	9+48	LT	3RD ST WEST	-	9	-	-	-
	9+38	-	9+48	LT	MAIN ST WEST	-	10	-	-	-
STAGE 2A SUB TOTALS						0	53	0	0	0
STAGE 2B	10+65	-	10+82	RT	6TH ST EAST	-	17	-	-	-
	10+52	-	10+61	RT	5TH ST EAST	-	9	-	-	-
	10+57	-	10+61	RT	3RD ST EAST	-	4	-	-	-
	10+62	-	10+70	RT	MAIN ST EAST	-	8	-	-	-
STAGE 2B SUB TOTALS						0	38	0	0	0
STAGE 3 & 4	1116+45	-	1116+55	LT/RT	STH 13	-	10	-	-	-
	1116+45	-	1118+19	LT/RT	STH 13	174	-	174	174	-
	1118+19	-	1132+03	LT/RT	STH 13	1384	-	1384	1384	-
	1132+03	-	1153+43	LT/RT	STH 13	2140	-	-	2140	-
	9+52	-	9+78	LT	NC SOUTH ENTR	26	26	26	26	-
	9+45	-	9+70	LT	NC NORTH ENTR	25	-	25	25	-
	9+52	-	9+70	LT	NC MAIN ENTR	18	18	18	18	-
	9+00	-	9+48	LT	12TH ST WEST	48	48	48	48	-
	9+48	-	9+70	LT	12TH ST WEST	22	-	-	22	-
	9+32.5	-	9+48	LT	11TH ST WEST	16	16	16	16	-
	9+48	-	9+70	LT	11TH ST WEST	22	-	-	22	-
	9+28	-	9+50	LT	10TH ST WEST	22	22	22	22	-
	9+50	-	9+70	LT	10TH ST WEST	20	-	-	20	-
	9+15	-	9+50	LT	9TH ST WEST	35	35	35	35	-
	9+50	-	9+70	LT	9TH ST WEST	20	-	-	20	-
	9+29	-	9+47	LT	8TH ST WEST	18	18	18	18	-
	9+47	-	9+70	LT	8TH ST WEST	23	-	-	23	-
	9+31	-	9+47	LT	7TH ST WEST	16	16	16	16	-
	9+47	-	9+70	LT	7TH ST WEST	23	-	-	23	-
	10+25	-	10+55	RT	16TH ST EAST	30	30	30	30	-
	10+30	-	10+52	RT	12TH ST EAST	22	-	-	22	-
	10+52	-	11+00	RT	12TH ST EAST	48	48	48	48	-
	10+30	-	10+52	RT	11TH ST EAST	22	-	-	22	-
	10+52	-	10+80	RT	11TH ST EAST	28	28	28	28	-
	10+30	-	10+53	RT	10TH ST EAST	23	-	-	23	-
	10+53	-	10+75	RT	10TH ST EAST	22	22	22	22	-
	10+30	-	10+52	RT	9TH ST EAST	22	-	-	22	-
	10+52	-	10+66	RT	9TH ST EAST	14	14	14	14	-
	10+30	-	10+52	RT	8TH ST EAST	22	-	-	22	-
	10+52	-	10+74	RT	8TH ST EAST	22	22	22	22	-
	10+30	-	10+52	RT	7TH ST EAST	22	-	-	22	-
	10+52	-	10+71	RT	7TH ST EAST	19	19	19	19	-
STAGE 3 & 4 SUB TOTALS						4368	392	1965	4368	0
					PROJECT TOTALS	4368	483	1965	4368	13849

SAWING ASPHALT

CAT. 0010 STAGE	STATION	-	STATION	LOCATION		690.0150 SAWING ASPHALT LF	COMMENT
NON STAGED	981+57	-	981+57	RT & LT	STH 13	34	
	981+83	-	981+83	RT & LT	STH 13	34	
	982+88	-	983+03	LT	STH 13	15	
	1000+38	-	1000+38	RT & LT	STH 13	34	
	1000+65	-	1000+65	RT & LT	STH 13	34	
	1008+97	-	1008+97	RT & LT	STH 13	14	NON-COMPOSITE CUT
	1009+28	-	1009+28	RT & LT	STH 13	14	NON-COMPOSITE CUT
	1019+28	-	1019+28	RT & LT	STH 13	14	NON-COMPOSITE CUT
	1019+75	-	1019+75	RT & LT	STH 13	14	NON-COMPOSITE CUT
	1030+48	-	1030+48	RT & LT	STH 13	40	
	1030+65	-	1030+65	RT & LT	STH 13	52	
	1060+37	-	1060+37	RT & LT	STH 13	13	NON-COMPOSITE CUT
	1060+67	-	1060+67	RT & LT	STH 13	14	NON-COMPOSITE CUT
	1069+60	-	1069+60	RT & LT	STH 13	34	
	1069+76	-	1069+76	RT & LT	STH 13	34	
	1086+77	-	1086+77	RT & LT	STH 13	34	
	1087+26	-	1087+26	RT & LT	STH 13	34	
	1065+49	-		37' RT	STH 13	36	SALVAGING MANHOLE COVER
	1105+76	-	1106+10	RT	STH 13	34	
	1111+16	-	1111+33	LT	STH 13	17	
	1112+02	-	1112+31	LT	STH 13	29	
	1112+05	-	1112+17	RT	STH 13	12	
	1115+45	-	1115+68	RT	STH 13	23	
	1016+09	-	1016+28	LT	STH 13	19	
NON STAGED SUB TOTAL						632	
STAGE 2A	9+30.6	-	9+30.6	RT & LT	6TH ST	48	
	9+37.5	-	9+37.5	RT & LT	5TH ST	37	
	9+34	-	9+34	RT & LT	DEPOT DR	35	
	9+39	-	9+39	RT & LT	3RD ST	40	
	9+36.5	-	9+53.5	LT	3RD ST	27	NAPA PARKING LOT
	9+38.4	-	9+38.4	RT & LT	MAIN ST	42	
STAGE 2A SUB TOTAL						229	
STAGE 2B	10+81.7	-	10+81.7	RT & LT	6TH ST	46	
	1155+91	-	1155+99	RT	STH 13	8	
	1057+57	-	1057+78	RT	STH 13	21	
	10+61.3	-	10+61.3	RT & LT	5TH ST	36	
	1061+39	-	1061+71	RT	STH 13	31	
	10+61	-	10+61	RT & LT	3RD ST	40	
	10+70.3	-	10+70.3	RT & LT	MAIN ST	42	
STAGE 2B SUB TOTAL						224	

SAWING ASPHALT - CONTINUED

CAT. 0010 STAGE	STATION	-	STATION	LOCATION		690.0150 SAWING ASPHALT LF	COMMENT
STAGE 3	1116+45	-	1116+45	LT	STH 13	18	
	1116+99	-	1117+77	LT	STH 13	78	
	1121+91	-	1122+11	LT	STH 13	20	
	1128+12	-	1128+42	LT	STH 13	30	
	1129+84	-	1129+98	LT	STH 13	14	
	1130+08	-	1130+23	LT	STH 13	14	
	9+00	-	9+00	RT & LT	12TH ST	29	
	9+32.5	-	9+32.5	RT & LT	11TH ST	32	
	9+28	-	9+28	RT & LT	10TH ST	30	
	9+15	-	9+15	RT & LT	9TH ST	32	
	9+29	-	9+29	RT & LT	8TH ST	28	
	9+31	-	9+31	RT & LT	7TH ST	32	
	1155+87	-	1155+96	LT	STH 13	9	
STAGE 3 SUB TOTAL						366	
STAGE 4	1116+45	-	1116+45	RT	STH 13	18	
	10+55	-	10+55	RT & LT	16TH ST	29	
	10+80	-	10+80	RT & LT	11TH ST	32	
	10+75	-	10+75	RT & LT	10TH ST	33	
	10+65.5	-	10+65.5	RT & LT	9TH ST	22	
	10+74	-	10+74	RT & LT	8TH ST	28	
	10+71	-	10+71	RT & LT	7TH ST	32	
	1152+72	-	1152+85	RT	STH 13	13	
STAGE 4 SUB TOTAL						207	
					PROJECT TOTAL	1658	

SAWING CONCRETE

CAT. 0010 STAGE	STATION	-	STATION	LOCATION		690.0250 SAWING CONCRETE LF
NON STAGED	1008+97	-	1008+97	RT & LT	STH 13	20
	1009+28	-	1009+28	RT & LT	STH 13	20
	1019+28	-	1019+28	RT & LT	STH 13	20
	1019+75	-	1019+75	RT & LT	STH 13	20
	1060+37	-	1060+37	RT & LT	STH 13	20
	1060+67	-	1060+67	RT & LT	STH 13	20
	1116+45	-	1116+45	RT & LT	STH 13	20
NON STAGED SUB TOTAL						140
STAGE 2A	9+30.6	-	9+30.6	LT	6TH ST	3
	1154+28	-	1154+34	LT	STH 13	7
	1154+57	-	1154+57	LT	STH 13	8
	1155+37	-	1155+72	LT	STH 13	35
	1155+78	-	1155+78	LT	STH 13	8
	1156+07	-	1156+07	LT	STH 13	8
	1157+08	-	1157+08	LT	STH 13	8
	9+37.5	-	9+37.5	RT & LT	5TH ST	5
	1158+11	-	1158+11	LT	STH 13	8
	1161+21	-	1161+21	LT	STH 13	8

SAWING CONCRETE -CONTINUED

CAT. 0010 STAGE	STATION	-	STATION	LOCATION		690.0250 SAWING CONCRETE LF
	9+34	-	9+34	RT & LT	DEPOT DR	5
	1162+06	-	1162+06	LT	STH 13	8
	1162+84	-	1163+08	LT	STH 13	24
	1163+31	-	1163+31	LT	STH 13	8
	1163+63	-	1163+63	LT	STH 13	8
	1164+52	-	1164+52	LT	STH 13	8
	1164+66	-	1164+72	LT	STH 13	6
	9+39	-	9+39	RT & LT	3RD ST	5
	1165+23	-	1165+28	LT	STH 13	5
	1165+44	-	1165+44	LT	STH 13	8
	1165+80	-	1165+80	LT	STH 13	8
	1166+31	-	1166+31	LT	STH 13	8
	1167+05	-	1167+29	LT	STH 13	24
	1168+15	-	1168+15	LT	STH 13	8
	1168+30	-	1168+41	LT	STH 13	11
	9+38.4	-	9+38.4	RT & LT	MAIN ST	5
	1168+88	-	1169+01	LT	STH 13	13
	1169+08	-	1169+08	LT	STH 13	4
	1169+15	-	1169+15	LT	STH 13	7
	1170+25	-	1170+60	LT	STH 13	35
	1171+98	-	1171+98	LT	STH 13	43
STAGE 2A SUB TOTAL						349
STAGE 2B	10+81.7	-	10+81.7	LT	6TH ST	7
	1154+54	-	1154+54	RT	STH 13	8
	1155+39	-	1155+74	RT	STH 13	35
	1155+79	-	1155+79	RT	STH 13	8
	1156+05	-	1156+05	RT	STH 13	8
	1157+18	-	1157+18	RT	STH 13	8
	1157+35	-	1157+40	RT	STH 13	5
	10+61.3	-	10+61.3	RT & LT	5TH ST	5
	1157+95	-	1158+00	RT	STH 13	5
	1158+10	-	1158+10	RT	STH 13	8
	1159+20	-	1159+20	RT	STH 13	8
	1159+81	-	1159+81	RT	STH 13	8
	1164+53	-	1164+53	RT	STH 13	8
	1164+68	-	1164+74	RT	STH 13	6
	10+61	-	10+61	RT & LT	3RD ST	5
	1165+26	-	1165+32	RT	STH 13	6
	1165+48	-	1165+48	RT	STH 13	8
	1168+08	-	1168+08	RT	STH 13	8
	10+70.3	-	10+70.3	RT & LT	MAIN ST	32
	1169+06	-	1169+06	RT	STH 13	7
	1169+16	-	1169+29	RT	STH 13	23
	1169+85	-	1170+20	RT	STH 13	35
	1171+33	-	1171+68	RT	STH 13	35
	1171+98	-	1171+98	RT	STH 13	43
STAGE 2B SUB TOTAL						329
STAGE 3	1116+95	-	1116+98	LT	STH 13	3
	1117+77	-	1117+80	LT	STH 13	3
	1121+88	-	1121+91	LT	STH 13	3
	1122+11	-	1122+13	LT	STH 13	2
	1122+35	-	1122+42	LT	STH 13	7

SAWING CONCRETE - CONTINUED

CAT. 0010						690.0250 SAWING CONCRETE
STAGE	STATION	-	STATION	LOCATION		LF
	1122+78	-	1122+85	LT	STH 13	6
	1124+22	-	1124+29	LT	STH 13	7
	1128+42	-	1128+45	LT	STH 13	3
	1128+47	-	1128+47	LT	STH 13	7
	1128+83	-	1128+83	LT	STH 13	7
	1129+08	-	1129+08	LT	STH 13	7
	1129+49	-	1129+49	LT	STH 13	7
	1129+81	-	1129+84	LT	STH 13	3
	1129+98	-	1130+08	LT	STH 13	10
	1130+23	-	1130+25	LT	STH 13	2
	1130+59	-	1130+59	LT	STH 13	7
	1131+61	-	1131+61	LT	STH 13	7
	9+00	-	9+00	RT & LT	12TH ST	5
	1132+55	-	1132+55	LT	STH 13	6
	1132+82	-	1132+94	LT	STH 13	12
	1135+27	-	1135+27	LT	STH 13	6
	9+32.5	-	9+32.5	RT & LT	11TH ST	5
	1135+95	-	1136+00	LT	STH 13	5
	1136+11	-	1136+11	LT	STH 13	6
	1137+36	-	1137+36	LT	STH 13	6
	1137+41	-	1137+53	LT	STH 13	12
	1137+58	-	1137+58	LT	STH 13	6
	1138+95	-	1138+95	LT	STH 13	6
	9+28	-	9+28	RT & LT	10TH ST	5
	1139+81	-	1139+81	LT	STH 13	6
	1141+39	-	1141+51	LT	STH 13	12
	1142+61	-	1142+61	LT	STH 13	6
	9+15	-	9+15	RT & LT	9TH ST	5
	1143+27	-	1143+33	LT	STH 13	6
	1143+43	-	1143+43	LT	STH 13	6
	1146+27	-	1146+27	LT	STH 13	6
	1146+37	-	1146+43	LT	STH 13	6
	9+29	-	9+29	RT & LT	8TH ST	5
	1146+93	-	1146+99	LT	STH 13	6
	1147+09	-	1147+09	LT	STH 13	6
	1149+85	-	1149+85	LT	STH 13	6
	1150+04	-	1150+10	LT	STH 13	6
	9+31	-	9+31	RT & LT	7TH ST	5
	1150+60	-	1150+65	LT	STH 13	5
	1150+75	-	1150+75	LT	STH 13	6
	1153+46	-	1153+46	LT	STH 13	6
	9+30.6	-	9+30.6	RT	6TH ST	9
STAGE 3 SUB TOTAL						284
STAGE 4	10+55	-	10+55	RT & LT	16TH ST	5
	1118+15	-	1121+75	3' RT	STH 13	360
	1121+75	-	1125+25	9' RT	STH 13	350
	1124+18	-	1124+18	RT	STH 13	5
	1124+45	-	1124+45	RT	STH 13	5
	1124+69	-	1124+69	RT	STH 13	6
	1125+25	-	1128+05	3' RT	STH 13	280
	1128+05	-	1135+55	9' RT	STH 13	750
	1128+83	-	1128+83	RT	STH 13	6
	1129+08	-	1129+08	RT	STH 13	6

SAWING CONCRETE - CONTINUED

CAT. 0010						690.0250 SAWING CONCRETE
STAGE	STATION	-	STATION	LOCATION		LF
	1129+55	-	1129+71	RT	STH 13	16
	1131+63	-	1131+63	RT	STH 13	6
	1132+50	-	1132+50	RT	STH 13	6
	1135+28	-	1135+28	RT	STH 13	6
	10+80	-	10+80	RT & LT	11TH ST	5
	1135+95	-	1136+01	RT	STH 13	6
	1136+13	-	1136+13	RT	STH 13	6
	1138+84	-	1138+84	RT	STH 13	6
	1139+05	-	1139+10	RT	STH 13	5
	10+75	-	10+75	RT & LT	10TH ST	5
	1139+62	-	1139+67	RT	STH 13	5
	1139+73	-	1139+76	RT	STH 13	3
	1139+79	-	1139+79	RT	STH 13	6
	1141+12	-	1141+24	RT	STH 13	12
	1142+61	-	1142+61	RT	STH 13	6
	10+65.5	-	10+65.5	RT & LT	9TH ST	5
	1143+28	-	1143+33	RT	STH 13	5
	1143+43	-	1143+43	RT	STH 13	6
	1146+22	-	1146+22	RT	STH 13	6
	1146+37	-	1146+43	RT	STH 13	6
	10+74	-	10+74	RT & LT	8TH ST	5
	1146+94	-	1146+99	RT	STH 13	5
	1147+09	-	1147+09	RT	STH 13	6
	1149+84	-	1149+84	RT	STH 13	6
	1150+03	-	1150+09	RT	STH 13	6
	10+71	-	10+71	RT & LT	7TH ST	5
	1150+60	-	1150+65	RT	STH 13	5
	1150+75	-	1150+75	RT	STH 13	6
	1152+37	-	1152+61	RT	STH 13	24
	1152+61	-	1152+61	RT	STH 13	6
	1152+91	-	1152+91	RT	STH 13	6
	1153+43	-	1153+43	RT	STH 13	6
	1153+50	-	1153+53	RT	STH 13	3
	10+81.7	-	10+81.7	RT	6TH ST	9
STAGE 4 SUB TOTAL						1998
					PROJECT TOTAL	3100

CRACK AND DAMAGE SURVEY

CAT. 0010				999.1501.S CRACK AND DAMAGE SURVEY
STATION	LOCATION			EACH
1119+27	STH 13	156'	LT	1
1122+82	STH 13	80'	LT	1
1124+26	STH 13	61'	RT	1
1128+49	STH 13	106'	LT	1
1128+63	STH 13	127'	RT	1
1132+63	STH 13	78'	LT	1
1133+03	STH 13	78'	RT	1
1133+11	STH 13	79'	LT	1
1133+77	STH 13	76'	LT	1
1133+89	STH 13	60'	RT	1

CRACK AND DAMAGE SURVEY - CONTINUED

CAT. 0010				999.1501.S CRACK AND DAMAGE SURVEY
STATION	LOCATION			EACH
1134+43	STH 13	68'	RT	1
1135+03	STH 13	63'	RT	1
1135+04	STH 13	85'	LT	1
1136+30	STH 13	74'	LT	1
1136+84	STH 13	69'	LT	1
1137+78	STH 13	70'	LT	1
1138+28	STH 13	71'	LT	1
1138+76	STH 13	87'	LT	1
1139+97	STH 13	74'	RT	1
1140+11	STH 13	70'	LT	1
1140+49	STH 13	74'	RT	1
1141+13	STH 13	84'	LT	1
1141+30	STH 13	69'	RT	1
1141+91	STH 13	69'	LT	1
1142+06	STH 13	71'	RT	1
1142+38	STH 13	68'	LT	1
1142+46	STH 13	75'	RT	1
1143+56	STH 13	55'	LT	1
1143+77	STH 13	70'	RT	1
1144+13	STH 13	89'	RT	1
1144+29	STH 13	76'	LT	1
1144+69	STH 13	69'	RT	1
1145+00	STH 13	76'	LT	1
1145+09	STH 13	82'	RT	1
1145+54	STH 13	64'	LT	1
1145+69	STH 13	75'	RT	1
1145+91	STH 13	69'	LT	1
1146+12	STH 13	75'	LT	1
1147+26	STH 13	64'	LT	1
1147+34	STH 13	67'	RT	1
1147+70	STH 13	68'	LT	1
1147+75	STH 13	74'	RT	1
1148+14	STH 13	72'	LT	1
1148+31	STH 13	77'	RT	1
1148+77	STH 13	67'	LT	1
1148+82	STH 13	72'	RT	1
1149+10	STH 13	58'	LT	1
1149+73	STH 13	51'	LT	1
1149+76	STH 13	77'	RT	1
1150+96	STH 13	71'	LT	1
1150+98	STH 13	71'	RT	1
1151+30	STH 13	71'	LT	1
1151+59	STH 13	80'	RT	1
1152+01	STH 13	77'	LT	1
1152+44	STH 13	74'	LT	1
1152+46	STH 13	65'	RT	1
1153+04	STH 13	65'	LT	1
1153+48	STH 13	74'	RT	1
1155+29	STH 13	139'	RT	1
1156+56	STH 13	88'	RT	1
1157+08	STH 13	60'	LT	1
1158+86	STH 13	53'	RT	1
1160+01	STH 13	101'	LT	1
1163+56	STH 13	148'	RT	1
1166+03	STH 13	64'	LT	1
1167+80	STH 13	54'	LT	1
1167+91	STH 13	55'	RT	1
1169+48	STH 13	50'	LT	1
			PROJECT TOTAL	68

SEISMOGRAPH

CAT. 0010	999.1001.S SEISMOGRAPH
LOCATION	EACH
PROJECT	1
PROJECT TOTAL	1

CLEANING CULVERT PIPES

CAT. 0010		SPV.0060.02 CLEANING CULVERT PIPES MINIMAL	SPV.0060.03 CLEANING CULVERT PIPES FULL
STATION	LOCATION	EACH	EACH
1000+54	RT, STH 13	1	-
1030+57	LT, STH 13	-	1
1030+57	RT, STH 13	1	-
1069+67	LT, STH 13	1	-
1069+67	RT, STH 13	-	1
PROJECT TOTALS		3	2

ADJUSTING EXISTING WATER VALVE BOX

CAT. 0030			SPV.0060.26 ADJUSTING EXISTING WATER VALVE BOX	
STAGE	STATION	LOCATION	EACH	COMMENT
STAGE 2A	1154+09.4	52.0' LT	1	6TH ST - 5TH ST
	1154+13	44.4' LT	1	6TH ST - 5TH ST
	1154+20	52.9' LT	1	6th ST - 5TH ST
	1154+46.7	49.5' LT	1	6th ST - 5TH ST
	1157+77.4	42.3' LT	1	5TH ST - 3RD ST
	1161+55	38.9' LT	1	5TH ST - 3RD ST
	1161+55	46.2' LT	1	5TH ST - 3RD ST
STAGE 2A SUBTOTAL			7	
STAGE 3	1128+28	36.2' LT	1	16TH ST - 12TH ST
	1128+66.7	12.8' LT	1	16TH ST - 12TH ST
	1128+67	14.8' LT	1	16TH ST - 12TH ST
	1135+16.6	12.8' LT	1	12TH ST - 11TH ST
	1135+86	67.5' LT	1	11TH ST - 10TH ST
STAGE 3 SUB TOTAL			5	
STAGE 4	1135+82.4	53.3' RT	1	11TH ST - 10TH ST
	1135+86.5	26.5' RT	1	11TH ST - 10TH ST
	1135+89.3	50.9' RT	1	11TH ST - 10TH ST
STAGE 4 SUB TOTAL			3	
	UNDISTRIBUTED		5	PROJECT LIMITS
		PROJECT TOTAL	20	

SCHEDULE 40 PVC PERFORATED 6-INCH

CAT. 0010					SPV.0090.06 SCHEDULE 40 PVC PERFORATED 6-INCH
STAGE	STATION	-	STATION		LF
STAGE 1B	1123+85	-	1124+15	RT	30
	1124+87	-	1125+17	RT	30
	1128+13	-	1128+43	RT	30
	1129+05	-	1129+35	RT	30
	1130+44	-	1130+74	RT	30
	1131+87	-	1132+17	RT	30
	1132+51	-	1132+81	RT	30
	1135+22	-	1135+46	RT	24
STAGE 1B SUB TOTAL					234
STAGE 3	1117+39	-	1117+69	LT	30
	1121+77	-	1121+82	LT	30
	1138+98	-	1139+13	LT	16
	1138+98	-	1138+98	LT	19
	1139+13	-	1139+14	LT	15
	1142+35	-	1142+65	LT	30
	1142+65	-	1142+83	LT	18
	1142+65	-	1142+65	LT	15
	1142+83	-	1142+83	LT	15
	1143+19	-	1143+21	LT	30
	1145+90	-	1146+20	LT	30
	1146+20	-	1146+54	LT	34
	1146+20	-	1146+20	LT	15
	1146+24	-	1146+54	LT	30
	1146+53	-	1146+54	LT	15
	1149+56	-	1149+86	LT	30
	1149+86	-	1150+11	LT	25
	1149+86	-	1150+11	LT	25
	1149+86	-	1149+86	LT	15
	1150+11	-	1150+12	LT	15
	1153+02	-	1153+32	LT	30
	1153+45	-	1153+46	LT	22
STAGE 3 SUB TOTAL					504
STAGE 4	1117+40	-	1117+70	RT	30
	1117+70	-	1117+70	RT	30
	1132+25	-	1132+26	RT	30
	1135+46	-	1135+50	RT	30
	1135+49	-	1135+50	RT	30
STAGE 4 SUB TOTAL					150
			PROJECT TOTAL		888

CONCRETE BASE REMOVALS

CATEGORY	EXISTING BASE NUMBER	*204.0195 REMOVING CONCRETE BASES EACH
	STH 13 & 6TH STREET	
0010	SB2	1
0010	SB5	1
	INTERSECTION TOTAL	2
	STH 13 & MAIN STREET	
0010	SB14	1
	INTERSECTION TOTAL	1
	PROJECT TOTAL	3

* ITEMS SHOWN ELSEWHERE IN THE PLANS

PULL BOX REMOVALS

CATEGORY	EXISTING PULL BOX NUMBER	653.0905 REMOVING PULL BOXES EACH
	STH 13 & 6TH STREET	
0010	PB2	1
0010	PB3	1
	INTERSECTION TOTAL	2
	STH 13 & MAIN STREET	
0010	PB7	1
0010	PB9	1
0010	PB10	1
	INTERSECTION TOTAL	3
	PROJECT TOTAL	5

INSTALL CONDUIT INTO EXISTING ITEM

CATEGORY	PULL BOX NUMBER	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH
	STH 13 & 6TH STREET	
0010	PB1	1
0010	PB7	1
0010	PB9	1
0010	PB10	1
0010	PB15	1
	INTERSECTION TOTAL	5
	STH 13 & MAIN STREET	
0010	PB1	1
0010	PB8	1
0010	PB12	1
0010	PB18	1
	INTERSECTION TOTAL	4
	USH 2 & STH 13	
0010	PB6	1
	INTERSECTION TOTAL	1
	PROJECT TOTAL	10

PULL BOXES NON-CONDUCTIVE

CATEGORY	PULL BOX NUMBER	STATION	LOCATION	653.0164 PULL BOXES NON-CONDUCTIVE 24 X 42 - INCH EACH	653.0900 ADJUSTING PULL BOXES EACH
	STH 13 & 6TH STREET				
0010	PB2	1154+52	34.5'LT	1	--
0010	PB3	1154+59	4.9' RT	1	--
0010	PB4	1154+49	40.3' RT	1	--
0010	PB5	1154+28	65.5' RT	1	--
0010	PB6	1153+70	65.0' RT	1	--
0010	PB7	EXISTING		--	1
0010	PB8	1153+37	36.5' RT	1	--
0010	PB10	1153+37	38.5' LT	1	--
0010	PB12	EXISTING		--	1
0010	PB13	1153+67	61.2' LT	1	--
0010	PB14	1154+30	61.2' LT	1	--
			INTERSECTION TOTAL	9	2
	STH 13 & MAIN STREET				
0010	PB2	1169+17	35.1' LT	1	--
0010	PB3	1169+24	5.0' RT	1	--
0010	PB4	1169+17	34.2' RT	1	--
0010	PB5	1168+93	67.2' RT	1	--
0010	PB6	1168+39	67.4' RT	1	--
0010	PB7	1168+16	34.5' RT	1	--
0010	PB9	1168+06	4.6' LT	1	--
0010	PB10	1168+16	35.2' LT	1	--
0010	PB12	EXISTING		--	1
0010	PB13	EXISTING		--	1
0010	PB14	EXISTING		--	1
0010	PB15	1168+34	61.0' LT	1	--
0010	PB16	1168+94	62.2' LT	1	--
0010	PB17	EXISTING			1
			INTERSECTION TOTAL	10	4
			PROJECT TOTAL	19	6

CONCRETE BASES

CATEGORY	BASE NUMBER	STATION	LOCATION	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH
	STH 13 & 6TH STREET				
0010	SB2	1154+41	44.0'RT	1	--
0010	SB3	1154+33	54.2' RT	1	--
0010	SB6	1153+59	41.2' RT	1	--
0010	SB7	1153+46	38.5' RT	1	--
0010	SB8	1153+50	39,2' LT	--	1
0010	SB9	1153+55	41.4' LT	1	--
0010	SB10	1153+64	49.2' LT	1	--
0010	SB13	1154+33	52.9' LT	1	--
0010	SB14	1154+41	43.0' LT	1	--
			INTERSECTION TOTALS	8	1
	STH 13 & MAIN STREET				
0010	SB2	1169+09	40.5' RT	1	--
0010	SB3	1168+94	55.1' RT	1	--
0010	SB6	1168+38	54.2' RT	1	--
0010	SB7	1168+26	38.8' RT	1	--
0010	SB10	1168+26	38.7' LT	1	--
0010	SB11	1168+35	48.1' LT	1	--
0010	SB14	1168+93	51.3' LT	1	--
0010	SB15	1169+04	38.6' LT	1	--
			INTERSECTION TOTAL	8	0
			PROJECT TOTALS	16	1

CAST BASES, POLES, AND PUSH BUTTONS

CATEGORY	SIGNAL BASE NUMBER	657.0100 PEDESTAL BASES EACH	657.0405 TRAFFIC SIGNAL STANDARDS ALUMINUM 3.5 - FT EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH	SPV.0060.32 REMOVE, SALVAGE AND REINSTALL POLES TYPE 3 EACH	SPV.0060.33 REMOVE, SALVAGE AND REINSTALL TRAFFIC SIGNAL STANDARDS ALUMINUM 13 - FT EACH
	STH 13 & 6TH STREET					
0010	SB2	1	1	1	--	--
0010	SB3	1	1	1	--	--
0010	SB6	1	1	2	--	--
0010	SB7	--	--	--	--	1
0010	SB8	--	--	--	1	--
0010	SB9	1	1	1	--	--
0010	SB10	1	1	1	--	--
0010	SB13	1	1	1	--	--
0010	SB14	1	1	1	--	--
	INTERSECTION TOTALS	7	7	8	1	1
	STH 13 & MAIN STREET					
0010	SB2	1	1	1	--	--
0010	SB3	1	1	1	--	--
0010	SB6	1	1	1	--	--
0010	SB7	1	1	1	--	--
0010	SB10	1	1	1	--	--
0010	SB11	1	1	1	--	--
0010	SB14	1	1	1	--	--
0010	SB15	--	--	--	--	1
	INTERSECTION TOTALS	7	7	7	0	1
	PROJECT TOTALS	14	14	15	1	2

CONDUIT

CATEGORY	FROM	TO	*652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
	STH 13 & 6TH STREET			
0010	PB1	PB2	--	36
0010	PB2	PB3	--	80
0010	PB3	PB4	--	70
0010	PB4	PB5	--	64
0010	PB5	PB6	--	116
0010	PB6	PB7	--	15
0010	PB6	PB8	--	88
0010	PB8	PB10	--	152
0010	PB10	PB13	--	76
0010	PB12	PB13	--	10
0010	PB13	PB14	--	126
0010	PB14	PB2	--	68
0010	PB5	SB1 (EXT)	21	--
0010	PB4	SB2	9	--
0010	PB5	SB3	12	--
0010	PB4	SB4 (EXT)	20	--
0010	PB8	SB6	21	--
0010	PB8	SB7	9	--
0010	PB10	SB8	13	--
0010	PB10	SB9	19	--
0010	PB13	SB10	12	--
0010	PB2	SB12 (EXT)	14	--
0010	PB14	SB13	9	--
0010	PB2	SB14	13	--
0010	PB14	SB15 (EXT)	24	--
		INTERSECTION TOTALS	196	901
	STH 13 & MAIN STREET			
0010	PB1	PB2	--	18
0010	PB2	PB3	--	80
0010	PB3	PB4	--	58
0010	PB4	PB5	--	82
0010	PB5	PB6	--	108
0010	PB6	PB7	--	80
0010	PB7	PB9	--	78
0010	PB9	PB10	--	60
0010	PB10	PB15	--	62
0010	PB12	PB15	--	13
0010	PB15	PB16	--	120
0010	PB16	PB2	--	76
0010		EXT1	8	--
0010	PB5	SB1 (EXT)	28	--
0010	PB4	SB2	10	--
0010	PB5	SB3	12	--
0010	PB5	SB4 (EXT)	25	--
0010	PB7	SB5 (EXT)	26	--
0010	PB6	SB6	13	--
0010	PB7	SB7	11	--
0010	PB6	SB8 (EXT)	17	--
0010	PB10	SB10	10	--
0010	PB15	SB11	13	--
0010	PB2	SB13 (EXT)	32	--
0010	PB16	SB14	12	--
0010	PB2	SB15	10	--
		INTERSECTION TOTALS	227	835
		PROJECT TOTALS	423	1736

* ITEMS SHOWN ELSEWHERE IN THE PLANS

ELECTRIC WIRE TRAFFIC SIGNALS

CATEGORY	FROM	TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF
	STH 13 & 6TH STREET		
0010	CB1	SB1	246
0010	SB1	SB2	112
0010	SB2	SB3	93
0010	SB3	SB4	107
0010	SB4	SB5	204
0010	SB5	SB6	142
0010	SB6	SB7	72
0010	SB7	SB8	137
0010	SB8	SB9	56
0010	SB9	SB10	110
0010	SB10	SB11	68
0010	SB11	SB12	216
0010	SB12	SB13	115
0010	SB13	SB14	96
0010	SB14	SB15	115
	SB15	CB1	138
		INTERSECTION TOTAL	2027
	STH 13 & MAIN STREET		
0010	CB1	SB1	247
0010	SB1	SB2	124
0010	SB2	SB3	102
0010	SB3	SB4	121
0010	SB4	SB5	266
0010	SB5	SB6	125
0010	SB6	SB7	105
0010	SB7	SB8	125
0010	SB8	SB9	306
0010	SB9	SB10	125
0010	SB10	SB11	94
0010	SB11	SB12	74
0010	SB12	SB13	226
0010	SB13	SB14	124
0010	SB14	SB15	61
	SB15	CB1	135
		INTERSECTION TOTAL	2360
		PROJECT TOTAL	4387

TRAFFIC SIGNAL CABLE NO. 14 (BELOW GROUND)

CATEGORY	FROM	TO	655.0260 CABLE TRAFFIC SIGNAL 12 - 14 AWG LF	*655.0700 LOOP DETECTOR LEAD IN CABLE LF
	STH 13 & 6TH STREET			
0010	CB1	SB1	246	--
0010	CB1	SB2	--	176
0010	CB1	SB3	--	227
0010	CB1	SB4	190	--
0010	CB1	SB5	324	--
0010	CB1	SB6	--	744
0010	CB1	SB7	358	--
0010	CB1	SB8	256	--
0010	CB1	SB9	--	262
0010	CB1	SB10	--	201
0010	CB1	SB11	220	--
0010	CB1	SB12	92	--
0010	CB1	SB13	--	119
0010	CB1	SB14	--	73
0010	CB1	SB15	138	--
		INTERSECTION TOTALS	1824	1802
	STH 13 & MAIN STREET			
0010	CB1	SB1	247	--
0010	CB1	SB2	--	167
0010	CB1	SB3	--	226
0010	CB1	SB4	193	--
0010	CB1	SB5	371	--
0010	CB1	SB6	--	297
0010	CB1	SB7	--	351
0010	CB1	SB8	327	--
0010	CB1	SB9	230	--
0010	CB1	SB10	--	215
0010	CB1	SB11	--	227
0010	CB1	SB12	223	--
0010	CB1	SB13	90	--
0010	CB1	SB14	--	121
0010	CB1	SB15	135	--
		INTERSECTION TOTALS	1816	1604
		PROJECT TOTALS	3640	3406

* ITEMS SHOWN ELSEWHERE IN THE PLANS

REMOVE TRAFFIC SIGNALS

CATEGORY	LOCATION	SPV.0060.30 REMOVE TRAFFIC SIGNALS EACH	SPV.0060.31 REMOVE TRAFFIC SIGNALS EACH
0010	STH 13 & 6TH STREET	1	--
0010	STH 13 & MAIN STREET	--	1
	PROJECT TOTALS	1	1

LIGHTING WIRE

CATEGORY	FROM	TO	655.0305 CABLE TYPE UF 2 - 12 AWG GROUNDED LF
	STH 13 & 6TH STREET		
0010	SB12	SB8	198
		INTERSECTION TOTAL	198
		PROJECT TOTAL	198

LOOP DETECTOR SCHEDULE

CATEGORY	LOOP NUMBER	HOME RUN PB	STATION	LOCATION	SIZE (FT)X(FT)	NO. OF TURNS	PAVEMENT TYPE	SDD INSTALLATION REFERENCE	652.0800 CONDUIT LOOP DETECTOR LF	*655.0700 LOOP DETECTOR LEAD IN CABLE LF	655.0800 LOOP DETECTOR WIRE LF
	STH 13 & 6TH STREET										
0010	21	PB15	1156+15	18.0' LT	6x6	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	56	180	224
0010	22	PB3	1154+70	5.6' LT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	94	83	282
0010	23	PB3	1154+42	5.6' LT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	80	83	240
0010	41	PB13	1153+95	79.5' LT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	114	140	342
0010	42	PB13	1153+95	51.5' LT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	110	140	330
0010	43	PB13	1153+83	79.5' LT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	96	140	288
0010	44	PB13	1153+83	51.5' LT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	84	140	252
0010	61	PB9	1151+72	12.5' RT	6x6	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	78	489	390
0010	62	PB8	1153+24	2.0' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	128	253	384
0010	63	PB8	1153+52	2.0' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	124	253	372
0010	81	PB5	1154+06	76.0' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	96	150	288
0010	82	PB5	1154+06	48.0' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	90	150	270
0010	83	PB5	1154+17	76.0' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	78	150	234
0010	84	PB5	1154+18	48.0' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	68	150	204
								INTERSECTION TOTALS	1296	2501	4100
	STH 13 & MAIN STREET										
0010	21	PB18	1170+77	18.0' LT	6x6	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	58	205	232
0010	22	PB3	1169+35	5.9' LT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	92	79	276
0010	23	PB3	1169+07	5.8' LT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	78	79	234
0010	41	PB15	1168+60	78.8' LT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	112	137	336
0010	42	PB15	1168+60	50.8' LT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	106	137	318
0010	43	PB15	1168+50	49.6' LT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	84	137	252
0010	61	PB8	1166+50	18.0' RT	6x6	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	56	405	280
0010	62	PB9	1167+97	5.0' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	94	198	282
0010	63	PB9	1168+25	5.0' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	78	198	234
0010	81	PB5	1168+69	84.O RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	106	149	318
0010	82	PB5	1168+70	56.0' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	102	149	306
0010	83	PB5	1168+81	84.1' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	90	149	270
0010	84	PB5	1168+81	56.0' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	78	149	234
								INTERSECTION TOTALS	1134	2171	3572
	STH 13 & USH 2										
0010	81	PB6	1171+67	4.5' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	112	245	336
0010	82	PB6	1171+95	4.6' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	110	245	330
0010	83	PB6	1171+67	16.6' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	90	245	270
0010	84	PB6	1171+95	16.6' RT	6X20	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	86	245	258
								INTERSECTION TOTALS	398	980	1194
	* ITEMS SHOWN ELSEWHERE IN THE PLANS										
								PROJECT TOTALS	2828	5652	8866

LIGHTING UNIT ITEMS

CATEGORY	LIGHTING UNIT NO.	*204.0195 REMOVING CONCRETE BASES EACH	SPV.0060.01 SALVAGE & REINSTALL LIGHTING UNIT EACH	SPV.0060.04 MOVE LIGHTING UNIT EACH	SPV.0060.07 CONCRETE BASES TYPE SPECIAL EACH
0030	A-1				1
0030	A-2				1
0030	A-3				1
0030	A-4				1
0010	A-5		1		
0010	A-6		1		
0010	A-7		1		
0010	A-8		1		
0010	A-9		1		
0010	A-10		1		
0010	C-1	1		1	1
	PROJECT TOTALS	1	6	1	5

* ITEMS SHOWN ELSEWHERE IN THE PLANS

LIGHTING ELECTRICAL WIRE AND CONDUIT ITEMS

CATEGORY	FROM	TO	*652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG LF
0010	A-1	A-2	421			2586
0010	A-2	A-3	195			1230
0010	A-3	A-4	470			2880
0010	A-4	A-5	322			1992
0010	A-5	A-6	367	285		2262
0010	A-6	A-7	367	285		2262
0010	A-7	A-8	367	285		2262
0010	A-8	A-9	367	285		2262
0010	A-9	A-10	367	285		2262
0010	LCC-A	A-8	72			984
0010	C-0	C-1	12		966	
	PROJECT TOTALS		3327	1425	966	20982

* ITEMS SHOWN ELSEWHERE IN THE PLANS

MAINTAIN WATER SERVICE DURING CONSTRUCTION

CAT. 0010			SPV.0060.27 MAINTAIN WATER SERVICE DURING CONSTRUCTION
STAGE	STATION	LOCATION	EACH
1 THRU 4	1135+92 - 1171+45	LT&RT	1
	PROJECT TOTAL		**1**

PROJECT SIGN

CAT. 0010			SPV.0060.28 PROJECT SIGN - DNR SDWL
STAGE	STATION	LOCATION	EACH
1 THRU 4	1169+00*	50' RT*	1
	PROJECT TOTAL		**1**

*EXACT LOCATION TO BE DETERMINED AT TIME OF CONSTRUCTION

EXPLORATORY EXCAVATION, IF REQUIRED*

CAT. 0010			SPV.0060.13 EXPLORATORY EXCAVATION
STAGE	STATION	LOCATION	EACH
1 THRU 4	UNDISTRIBUTED*	LT&RT	5
	PROJECT TOTAL		**5**

*LOCATIONS TO BE DETERMINED IN THE FIELD WHERE REQUIRED TO INVESTIGATE UNDERGROUND ITEMS RELATED TO WATER MAIN

REMOVE WATER MAIN ITEMS

CAT. 0010			SPV.0060.11 REMOVE EXISTING HYDRANT AND LEAD	SPV.0090.14 REMOVE WATER MAIN
STAGE	STATION	LOCATION	EACH	LF
4	1139+72	38' RT	1	
4	1143+38	38' RT	1*	
4	1147+08	38' RT	1	
1B	1169+02	49' RT	1	
	UNDISTRIBUTED AS REQUIRED FOR OTHER INSTALLATIONS			600
	PROJECT TOTALS		**4**	**600**

*SALVAGE HYDRANT AND PROVIDE TO CITY OF ASHLAND

ABANDON WATER SERVICE

CAT. 0010			SPV.0060.12 ABANDON WATER SERVICE
STAGE	STATION	LOCATION	EACH
2A, 3 & 4	UNDISTRIBUTED*		4
	PROJECT TOTAL		**4**

*PERFORM ABANDONMENT OF WATER SERVICES WHERE EXISTING LATERALS ARE UNUSED AND NO LONGER NEEDED AS DETERMINED BY CITY OF ASHLAND

CONNECT TO EXISTING WATER MAIN

CAT. 0010			SPV.0060.14 CONNECT TO EXISTING WATER MAIN
STAGE	STATION	LOCATION	EACH
3	1135+92.3	22.5' LT	1
4	1146+80	55' RT	1
3	1154+09	82' LT	1
1B	1154+11	83' RT	1
1B	1154+10	44.5' LT	1
2A	1164+68	27' LT	1
2A	1165+07	20' LT	1
2A	1165+07	43' LT	1
1B	1168+72.6	51' LT	1
1B	1168+75.5	83.5' RT	1
2A	1171+45	24' LT	1
	PROJECT TOTAL		**11**

LOWER WATER MAIN, IF REQUIRED*

CAT. 0010			SPV.0060.15 LOWER WATER MAIN
STAGE	STATION	LOCATION	EACH
	UNDISTRIBUTED		2
	PROJECT TOTAL		**2**

*PERFORM LOWERING OF WATER MAIN ONLY IF VERTICAL DEFLECTION CANNOT AVOID CONFLICT. VERTICAL DEFLECTION AND BURY DEPTH GREATER THAN 7' DOES NOT CONSTITUTE LOWERING WATER MAIN.

GATE VALVE AND BOX

CAT. 0010			SPV.0060.16 6-INCH GATE VALVE AND BOX	SPV.0060.17 8-INCH GATE VALVE AND BOX	SPV.0060.18 10-INCH GATE VALVE AND BOX	SPV.0060.19 12-INCH GATE VALVE AND BOX
STAGE	STATION	LOCATION	EACH	EACH	EACH	EACH
3	1135+93	22.5' LT	-	1	-	-
3	1139+71	12' LT	-	1	-	-
3	1139+74	24' LT	1	-	-	-
3	1143+35	12' LT	-	1	-	-
3	1143+41.5	40' LT	1	-	-	-
4	1143+76.4	44' RT	1	-	-	-
3	1143+84	12' LT	-	1	-	-
4	1147+03	38' RT	1	-	-	-
3	1150+42.5	19' LT	-	1	-	-
3	1150+50	12' LT	-	1	-	-
3	1150+54	56' LT	1	-	-	-
1B	1153+73.5	76.5' RT	1	-	-	-
1B	1154+04	12' LT	-	1	-	-
2A	1164+73	27' LT	-	-	-	1
2A	1165+07	20' LT	-	1	-	-
2A	1165+07	43' LT	-	1	-	-
1B	1168+65.5	27' LT	-	1	-	-
1B	1168+68.5	43' LT	-	-	1	-
1B	1168+75.5	87' RT	-	-	1	-
2A	1171+33.5	27' LT	1	-	-	-
2A	1171+37	27' LT	-	1	-	-
	PROJECT TOTALS		**7**	**11**	**2**	**1**

HYDRANT 7.5-FT BURY DEPTH

CAT. 0010			SPV.0060.20 HYDRANT 7.5-FT BURY DEPTH
STAGE	STATION	LOCATION	EACH
3	1139+74	27' LT	1
3	1143+41.5	28' LT	1
4	1147+10	38' RT	1
3	1150+58.5	56' LT	1
1B	1153+68.5	76.5' RT	1
1B	1168+94.5	71' RT	1
	PROJECT TOTAL		**6**

WATER MAIN ITEMS

CAT. 0010		SPV.0090.15 WATER MAIN C900 6-INCH	SPV.0090.16 WATER MAIN C900 8-INCH	SPV.0090.17 WATER MAIN C900 10-INCH	SPV.0090.18 WATER MAIN C900 12-INCH	SPV.0090.19 WATER MAIN C900 16-INCH	SPV.0085.01 WATER MAIN FITTINGS
STAGE	STATION	LF	LF	LF	LF	LF	LB
3	1135+92 - 1138+50	-	258	-	-	-	88
3	1138+50 - 1144+50	55	604	-	-	-	236
3	1144+50 - 1150+50	103	646	-	-	-	301
1B	1154+10	42	10	-	-	166	756
3	1150+50 - 1154+10	20	350	-	-	-	548
2A	1164+68 - 1168+50	-	366	-	40	-	348
1B	1168+75	22	20	143	-	-	404
2A	1168+50 - 1171+43	-	275	-	-	-	258
	UNDISTRIBUTED	33	21	17	10	9	361
	PROJECT TOTALS	**275**	**2550**	**160**	**50**	**175**	**3300**

SIDEWALK MATERIALS

CAT. 0010			209.1100 BACKFILL GRANULAR GRADE :	SPV.0165.01 CONCRETE SIDEWALK CURE AND SEAL TREATMENT
STAGE	STATION	LOCATION	CY	SF
STAGE 2 & 3	1135+92 - 1171+45	STH 13, LT&RT	50	3950
	PROJECT TOTAL		**50**	**3950**

WATER SERVICE ITEMS

	CAT. 0010				SPV.0060.21 CONNECT TO EXISTING WATER SERVICE	SPV.0060.22 CORPORATION STOP 1-INCH	SPV.0060.23 CORPORATION STOP 1.5-INCH	SPV.0060.24 CURB STOP AND BOX 1-INCH	SPV.0060.25 CURB STOP AND BOX 1.5-INCH	SPV.0090.11 WATER SERVICE 1-INCH	SPV.0090.13 WATER SERVICE 1.5-INCH	SPV.0090.12 WATER SERVICE 1-INCH BORING UNDER NORTHBOUND LANES	204.0155 REMOVING CONCRETE SIDEWALK (FOR WATER SERVICE)	602.0405 CONCRETE SIDEWALK 4-INCH (FOR WATER SERVICE)
	STAGE	HOUSE NUMBER	STATION	LOCATION	EACH	EACH	EACH	EACH	EACH	LF	LF	LF	SY	SF
11 TH ST	3	1019	1136+69	39'LT	1	1	-	1	-	17	-	-	8.3	75
	3	1011	1137+68	41'LT	1	1	-	1	-	18	-	-	8.3	75
	3	1005	1138+21	39'LT	1	1	-	1	-	17	-	-	11	100
10 TH ST	3	1001	1138+59	41'LT	1	1	-	1	-	18	-	-	8.3	75
	3 & 4	922	1140+07	36'RT	1	1	-	1	-	18	-	40	8.3	75
	3	921	1139+78	38'LT	1	1	-	1	-	26	-	-	3	25
	3 & 4	111	1139+60	60'RT	1	1	-	-	-	35	-	40	-	-
	3 & 4	918	1140+60	38'RT	1	1	-	1	-	10	-	40	8.3	75
	3	911	1140+90	40'LT	1	1	-	1	-	28	-	-	8.3	75
	3 & 4	910	1141+50	38'RT	1	1	-	1	-	10	-	40	8.3	75
	3 & 4	906	1141+93	39'RT	1	1	-	1	-	10	-	40	8.3	75
	3	905	1141+97	39'LT	1	1	-	1	-	27	-	-	11	100
	3	901	1142+33	39'LT	1	1	-	1	-	27	-	-	11	100
9TH ST	3 & 4	900	1142+29	40'RT	1	1	-	1	-	12	-	40	8.3	75
	3	IRRIGATION STUB	1143+47	36'LT	-	1	-	1	-	32	-	-	8.3	75
	3	823	1143+98	40'LT	1	1	-	1	-	29	-	-	8.3	75
	3 & 4	822	1143+60	40'RT	1	1	-	1	-	12	-	40	8.3	75
	3 & 4	818	1144+33	40'RT	1	1	-	1	-	12	-	40	8.3	75
	3	815	1144+48	40'LT	1	1	-	1	-	28	-	-	8.3	75
	3 & 4	812	1144+56	40'RT	1	1	-	1	-	12	-	40	8.3	75
	3 & 4	810	1145+11	41'RT	1	1	-	1	-	13	-	40	8.3	75
	3	809	1145+07	40'LT	1	1	-	1	-	37	-	-	11	100
	3	807	1145+66	40'LT	1	1	-	1	-	29	-	-	8.3	75
	3 & 4	804	1145+67	40'RT	1	1	-	1	-	12	-	40	11	100
	3	803	1145+91	40'LT	1	1	-	1	-	28	-	-	8.3	75
8TH ST	3	801	1146+36	76'LT	1	1	-	1	-	72	-	-	8.3	75

CONTINUED ON OTHER PAGE

WATER SERVICE ITEMS (CONT'D)

	CAT. 0010				SPV.0060.21 CONNECT TO EXISTING WATER SERVICE	SPV.0060.22 CORPORATION STOP 1-INCH	SPV.0060.23 CORPORATION STOP 1.5-INCH	SPV.0060.24 CURB STOP AND BOX 1-INCH	SPV.0060.25 CURB STOP AND BOX 1.5-INCH	SPV.0090.11 WATER SERVICE 1-INCH	SPV.0090.13 WATER SERVICE 1.5-INCH	SPV.0090.12 WATER SERVICE 1-INCH BORING UNDER NORTHBOUND LANES	204.0155 REMOVING CONCRETE SIDEWALK (FOR WATER SERVICE)	602.0405 CONCRETE SIDEWALK 4-INCH (FOR WATER SERVICE)
	STAGE	HOUSE NUMBER	STATION	LOCATION	EACH	EACH	EACH	EACH	EACH	LF	LF	LF	SY	SY
8TH ST	3 & 4	724	1147+52	40' RT	1	1	-	1	-	12	-	40	-	-
	3	723	1147+27	40' LT	1	1	-	1	-	28	-	-	8.3	75
	3	719	1147+80	40' LT	1	1	-	1	-	28	-	-	8.3	75
	3	715	1148+19	39' LT	1	1	-	1	-	27	-	-	11	100
	3 & 4	714	1148+18	39' RT	1	1	-	1	-	11	-	40	8.3	75
	3	711	1148+72	40' LT	1	1	-	1	-	28	-	-	8.3	75
	3 & 4	708	1148+85	41' RT	1	1	-	1	-	13	-	40	8.3	75
	3	707	1149+38	39' LT	1	1	-	1	-	27	-	-	8.3	75
	3 & 4	704	1149+27	40' RT	1	1	-	1	-	12	-	40	8.3	75
7TH ST	3 & 4	700	1149+68	39' RT	1	1	-	1	-	11	-	40	8.3	75
	3	623	1151+05	40' LT	1	1	-	1	-	28	-	-	8.3	75
	3 & 4	620	1151+07	39' RT	1	1	-	1	-	11	-	40	8.3	75
	3	619	1151+40	39' LT	1	1	-	1	-	27	-	-	11	100
	3 & 4	618	1151+50	39' RT	1	1	-	1	-	11	-	40	8.3	75
	3 & 4	610	1152+50	39' RT	1	1	-	1	-	10	-	40	11	100
	3	609	1151+87	41' LT	1	1	-	1	-	29	-	-	8.3	75
	3	607	1152+45	41' LT	1	1	-	1	-	29	-	-	11	100
	3	605	1153+10	41' LT	1	1	-	1	-	29	-	-	8.3	75
6TH ST	3 & 4	600	1153+36	37' RT	1	1	-	1	-	10	-	40	3	25
	2A	IRRIGATION STUB	1162+15	36' LT	-	1	-	1	-	10	-	-	8.3	75
3RD ST														
	2A	103 MAIN	1165+72	45' LT	1	-	1	-	1	-	24	-	13.3	120
	2A	103 MAIN	1166+05	45' LT	1	1	-	1	-	20	-	-	-	-
MAIN ST	2A	100 MAIN	1168+24	45' LT	1	-	1	-	1	-	20	-	-	-
	2A	FOUNTAIN	1169+03	50' RT	1	1	-	1	-	33	-		-	-
	2A	101 MAIN	1169+50	45' LT	1	-	1	-	1	-	20	-	11	100
	2A	110 (HOLIDAY)	1170+54	37' RT	1	1	-	1	-	25	-	40	8.3	75
		UNDISTRIBUTED			2	2	1	2	1	82	36	60	28	230
			PROJECT TOTALS		**52**	**51**	**4**	**50**	**4**	**1140**	**100**	**900**	**440**	**3950**

INSULATION BOARD POLYSTYRENE 2-INCH

CAT. 0010			612.0902.S INSULATION BOARD POLYSTYRENE 2-INCH
STAGE	STATION	LOCATION	SY
3	1138+98	14' LT	7.1
3	1139+14	12' LT	7.1
3	1139+74	25' LT	7.1
3	1139+78	25' LT	7.1
3	1140+90	25' LT	7.1
3	1141+97	25' LT	7.1
3	1142+33	25' LT	7.1
3	1142+65	12' LT	7.1
3	1142+83	12' LT	7.1
3	1143+42	25' LT	7.1
3	1143+98	25' LT	7.1
3	1144+48	25' LT	7.1
3	1145+07	25' LT	7.1
3	1145+66	25' LT	7.1
3	1145+91	25' LT	7.1
3	1146+20	12' LT	7.1
3	1146+47	25' LT	7.1
3	1146+53	12' LT	7.1
4	1146+80	54' RT	7.1
3	1147+27	25' LT	7.1
3	1147+80	25' LT	7.1
3	1148+19	25' LT	7.1
3	1148+72	25' LT	7.1
3	1149+38	25' LT	7.1
3	1149+86	12' LT	7.1
3	1150+12	12' LT	7.1
3	1150+42	25' LT	7.1
3	1151+05	25' LT	7.1
3	1151+39	25' LT	7.1
3	1151+87	25' LT	7.1
3	1152+45	25' LT	7.1
3	1153+10	25' LT	7.1
3	1153+45	12' LT	7.1
3	1164+76	27' LT	7.1
3	1166+65	27' LT	7.1
3	1168+59	27' LT	7.1
3	1168+73	14' LT	7.1
1B	1168+73	50' RT	7.1
3	1170+15	27' LT	7.1
3	1170+54	13' LT	7.1
VARIES	UNDISTRIBUTED		36.0
	PROJECT TOTALS		**320.0**



STATE OF WISCONSIN
CITY OF ASHLAND
TRANSPORTATION PROJECT PLAT TITLE SHEET
1610-00-27
MELLEN - ASHLAND
BUTTERWORTH RD TO USH 2
STH 13
ASHLAND COUNTY

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) — W (TYPE)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING — B — TO BE REMOVED
BRIDGE — CULVERT
PARALLEL OFFSETS

SECTION CORNER SYMBOL (18, 13, 24, 25, 36, 1, 12, 7)
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN — SIGN
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED) — IP XXXXX
OFF-PREMISE SIGN — 81-25 — SIGN

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE	■	□
TELEPHONE POLE	●	○
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	▼	▽

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER 25 — UTILITY NUMBER 40

CONVENTIONAL ABBREVIATIONS

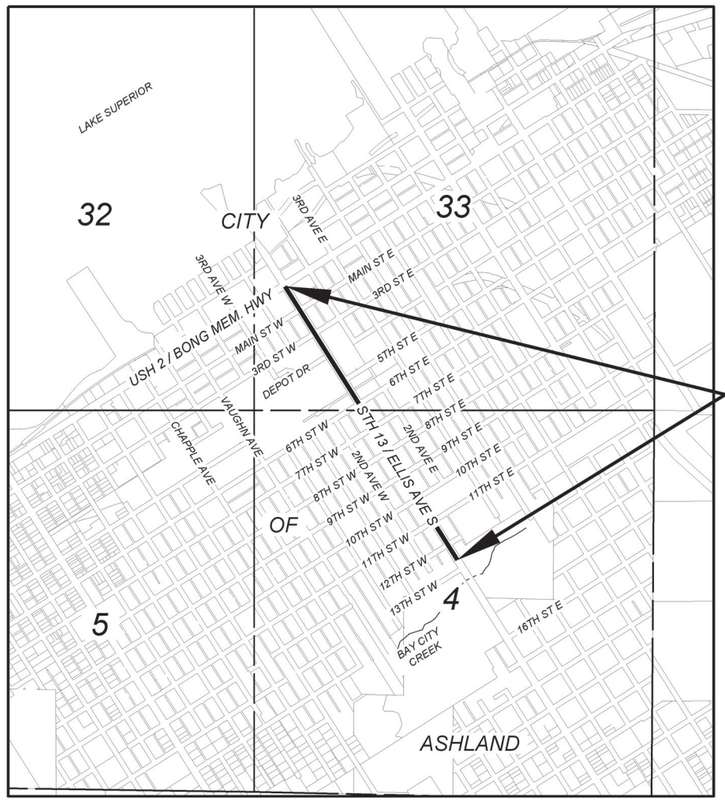
ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY	CO	SECTION	SEC
COUNTY TRUNK HIGHWAY	CTH	SEPTIC VENT	SEPV
DISTANCE	DIST	SQUARE FEET	SF
CORNER	COR	STATE TRUNK HIGHWAY	STH
DOCUMENT NUMBER	DOC	STATION	STA
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS
ELECTRIC TOWER	⊠



LAYOUT
SCALE 0 — 2000 FT

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 1610-00-27.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ASHLAND COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT -OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, CENTERLINE OF EXISTING PAVEMENTS AND/OR EXISTING OCCUPATIONAL LINES.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

PROPERTY LINES SHOWN ON THIS PLAT FOR PROPERTIES BEING IMPACTED ARE DRAWN FROM DATA DERIVED FROM FILED/RECORDED MAPS AND DOCUMENTS OF PUBLIC RECORD. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF ASHLAND.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES.

PROJECT NUMBER 1610-00-27-4.01
SHEET 2 OF 2
AMENDMENT NO:

FILE NAME : X:\KO\N\NWBE0\164357\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-20\1610-00-07\RW\DWG\040101-RP.DWG
LAYOUT NAME: Title
PLOT DATE : 11/14/2023 11:02 AM PLOT BY : SEH
1610-00-27-4.01

4

TRANSPORTATION PROJECT PLAT NO: 1610-00-27-4.01

THAT PART OF LOTS 17 THRU 20 AND PART OF LOT 24, BLOCK 321, ELLIS DIVISION, LOCATED IN PART OF THE SE 1/4 OF THE NW 1/4, AND PART OF LOTS 16 AND 17, BLOCK 321, ELLIS DIVISION, LOCATED IN PART OF THE SW 1/4 OF THE NE 1/4, ALL IN SECTION 4, TOWNSHIP 47 NORTH, RANGE 4 WEST, CITY OF ASHLAND, ASHLAND COUNTY, WISCONSIN.

RELOCATION ORDER STH 13 MELLEN - ASHLAND, BUTTERWORTH RD TO USH 2, ASHLAND COUNTY.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF ASHLAND DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF ASHLAND HEREBY ORDERS THAT:

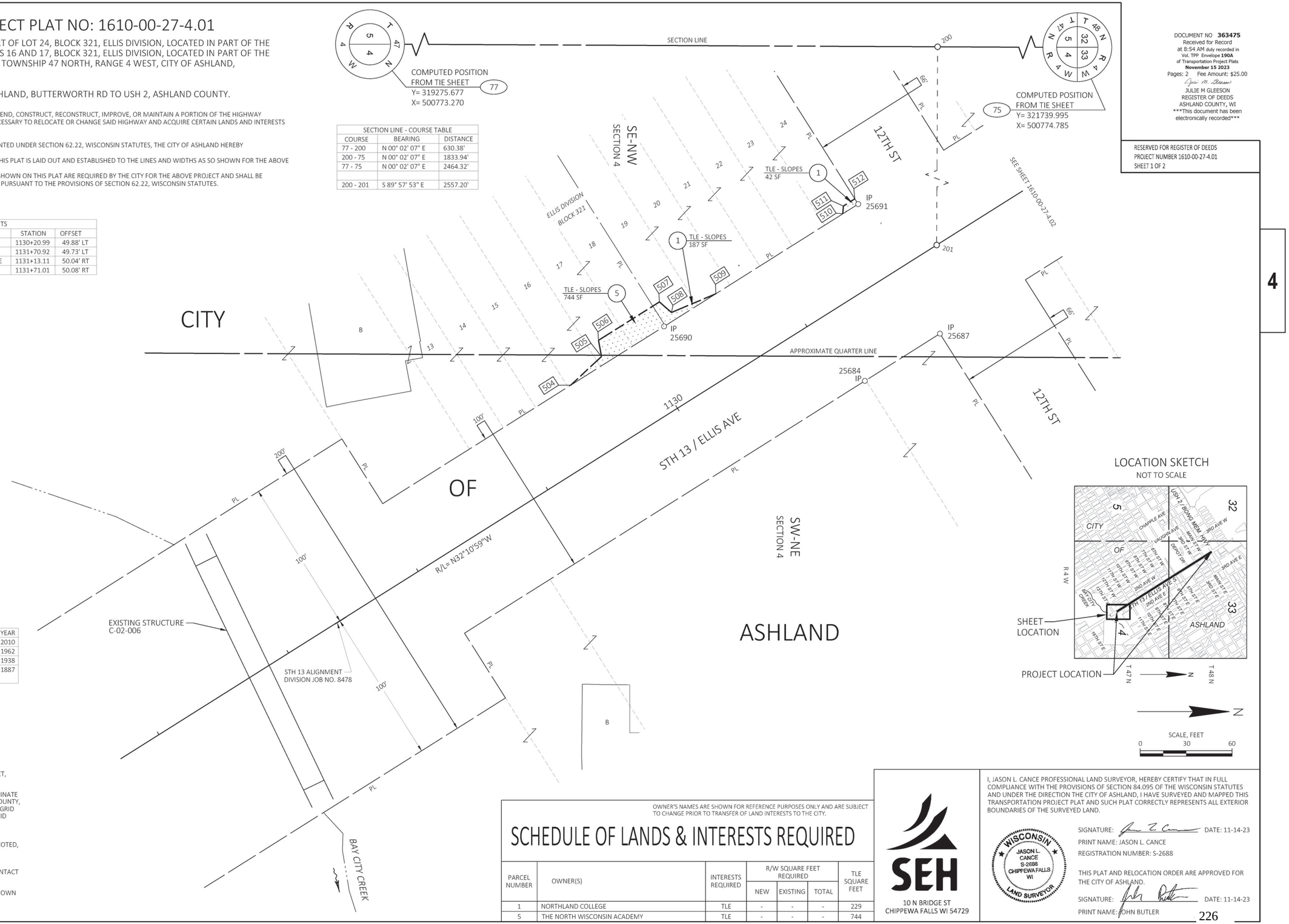
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF ASHLAND, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

RECOVERED MONUMENTS					
POINT	Y	X	DESCRIPTION	STATION	OFFSET
25690	319726.414	503383.979	MAG NAIL	1130+20.99	49.88' LT
25691	319853.380	503304.253	3/4" IRON PIPE	1131+70.92	49.73' LT
25684	319857.595	503419.487	1-1/4" IRON PIPE	1131+13.11	50.04' RT
25687	319906.617	503388.678	1" IRON PIPE	1131+71.01	50.08' RT

TLE STATION & OFFSET TABLE		
POINT	STATION	OFFSET
201	1132+00.00	0.00'
504	1129+49.00	49.84' LT
505	1129+76.00	55.00' LT
506	1129+80.00	65.00' LT
507	1130+27.00	65.00' LT
508	1130+30.00	55.00' LT
509	1130+61.00	49.88' LT
510	1131+59.00	49.95' LT
511	1131+62.00	54.00' LT
512	1131+70.87	54.00' LT

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 13/ ELLIS AVE	TPP 1610-42-71/1610-43-71	2010
STH 13/ ELLIS AVE	T04-6 (18)	1962
STH 13/ ELLIS AVE	DIVISION JOB 8478	1938
STH 13/ ELLIS AVE, 12TH ST	ELLIS DIVISION	1887

SECTION LINE - COURSE TABLE		
COURSE	BEARING	DISTANCE
77 - 200	N 00° 02' 07" E	630.38'
200 - 75	N 00° 02' 07" E	1833.94'
77 - 75	N 00° 02' 07" E	2464.32'
200 - 201	S 89° 57' 53" E	2557.20'



LOCATION SKETCH
NOT TO SCALE

SCALE, FEET
0 30 60

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ASHLAND COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF ASHLAND.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
1	NORTHLAND COLLEGE	TLE	-	-	-	229
5	THE NORTH WISCONSIN ACADEMY	TLE	-	-	-	744

SEH
10 N BRIDGE ST
CHIPPEWA FALLS WI 54729

I, JASON L. CANCE PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION THE CITY OF ASHLAND, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: DATE: 11-14-23
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF ASHLAND.

SIGNATURE: DATE: 11-14-23
PRINT NAME: JOHN BUTLER

DOCUMENT NO 363475
Received for Record
at 8:54 AM duly recorded in
Vol. TPP Envelope 190A
of Transportation Project Plats
November 15 2023
Pages: 2 Fee Amount: $25.00
JULIE M GLEESON
REGISTER OF DEEDS
ASHLAND COUNTY, WI
This document has been electronically recorded

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1610-00-27-4.01
SHEET 1 OF 2

TRANSPORTATION PROJECT PLAT NO: 1610-00-27-4.02

THAT PART OF LOT 24, BLOCK 303, PART OF LOTS 13 AND 24, BLOCK 279, PART OF LOTS 1 AND 12, BLOCK 304, PART OF LOT 1, BLOCK 578, ELLIS DIVISION, LOCATED IN PART OF THE SE 1/4 OF THE NW 1/4, AND PART OF LOT 12, BLOCK 578, LOCATED IN PART OF THE NE 1/4 OF THE NW 1/4, ALL IN SECTION 4, TOWNSHIP 47 NORTH, RANGE 4 WEST, CITY OF ASHLAND, ASHLAND COUNTY, WISCONSIN.

RELOCATION ORDER STH 13 MELLEN - ASHLAND, BUTTERWORTH RD TO USH 2, ASHLAND COUNTY.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF ASHLAND DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

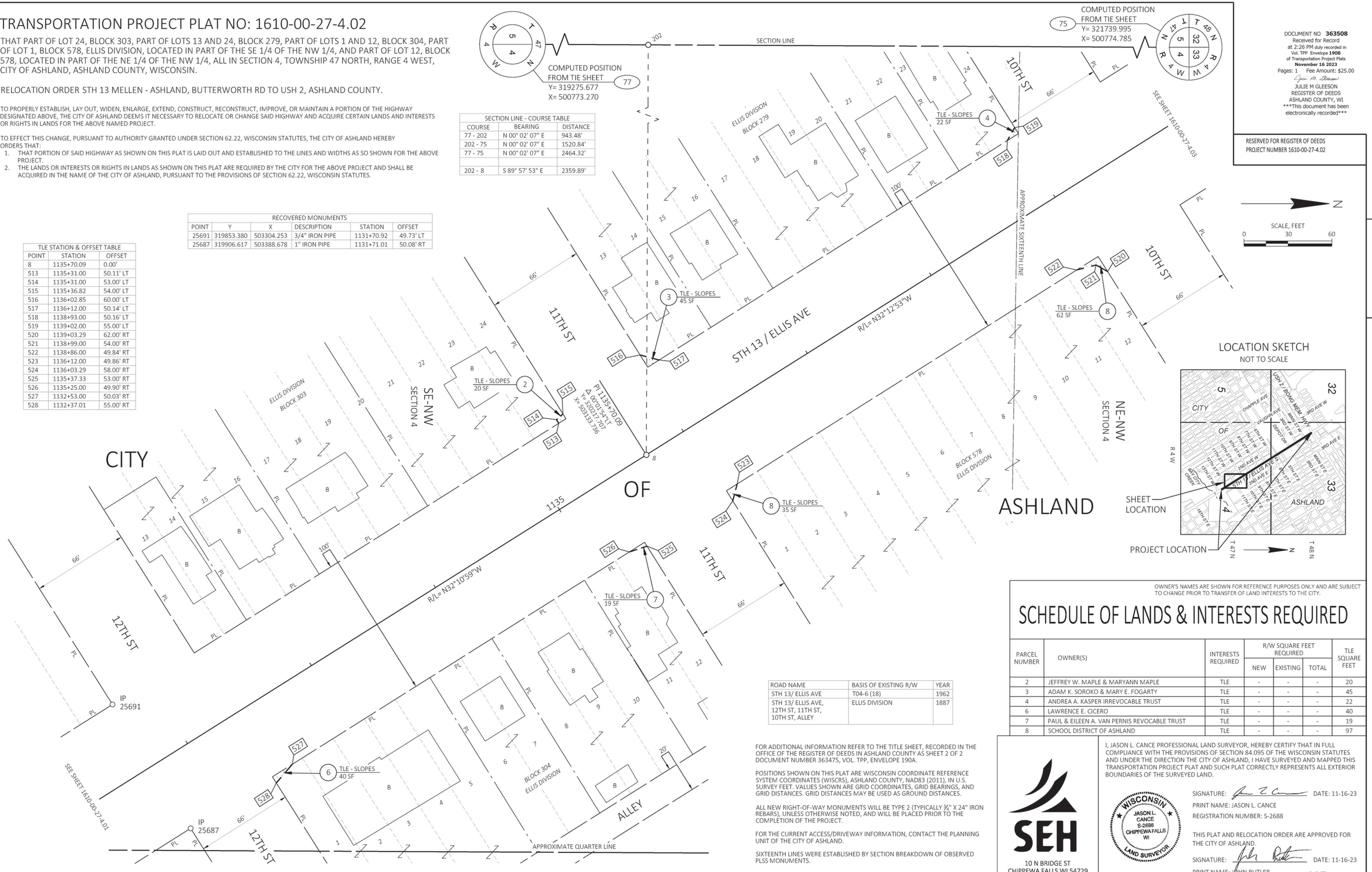
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF ASHLAND HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF ASHLAND, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

TLE STATION & OFFSET TABLE		
POINT	STATION	OFFSET
8	1135+70.09	0.00'
513	1135+31.00	50.11' LT
514	1135+31.00	53.00' LT
515	1135+36.82	54.00' LT
516	1136+02.85	60.00' LT
517	1136+12.00	50.14' LT
518	1138+93.00	50.16' LT
519	1139+02.00	55.00' LT
520	1139+03.29	62.00' RT
521	1138+99.00	54.00' RT
522	1138+86.00	49.84' RT
523	1136+12.00	49.86' RT
524	1136+03.29	58.00' RT
525	1135+37.33	53.00' RT
526	1135+25.00	49.90' RT
527	1132+53.00	50.03' RT
528	1132+37.01	55.00' RT

RECOVERED MONUMENTS					
POINT	Y	X	DESCRIPTION	STATION	OFFSET
25691	319853.380	503304.253	3/4" IRON PIPE	1131+70.92	49.73' LT
25687	319906.617	503388.678	1" IRON PIPE	1131+71.01	50.08' RT

SECTION LINE - COURSE TABLE		
COURSE	BEARING	DISTANCE
77 - 202	N 00° 02' 07" E	943.48'
202 - 75	N 00° 02' 07" E	1520.84'
77 - 75	N 00° 02' 07" E	2464.32'
202 - 8	S 89° 57' 53" E	2359.89'



DOCUMENT NO **363508**
Received for Record
at 2:26 PM duly recorded in
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of Transportation Project Plats
November 16 2023
Pages: 1 Fee Amount: $25.00
JULIE M GLEESON
REGISTER OF DEEDS
ASHLAND COUNTY, WI
This document has been electronically recorded

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1610-00-27-4.02

LOCATION SKETCH
NOT TO SCALE

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 13/ ELLIS AVE	T04-6 (18)	1962
STH 13/ ELLIS AVE, 12TH ST, 11TH ST, 10TH ST, ALLEY	ELLIS DIVISION	1887

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN ASHLAND COUNTY AS SHEET 2 OF 2 DOCUMENT NUMBER 363475, VOL. TPP, ENVELOPE 190A.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ASHLAND COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF ASHLAND.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
2	JEFFREY W. MAPLE & MARYANN MAPLE	TLE	-	-	-	20
3	ADAM K. SOROKO & MARY E. FOGARTY	TLE	-	-	-	45
4	ANDREA A. KASPER IRREVOCABLE TRUST	TLE	-	-	-	22
6	LAWRENCE E. CICERO	TLE	-	-	-	40
7	PAUL & EILEEN A. VAN PERNIS REVOCABLE TRUST	TLE	-	-	-	19
8	SCHOOL DISTRICT OF ASHLAND	TLE	-	-	-	97

SEH
10 N BRIDGE ST
CHIPPEWA FALLS WI 54729

I, JASON L. CANCE PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION THE CITY OF ASHLAND, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: DATE: 11-16-23
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF ASHLAND.
SIGNATURE: DATE: 11-16-23
PRINT NAME: JOHN BUTLER

FILE NAME : X:\KO\N\NWBE0\164357\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-20\1610-00-07\RW\DWG\040101-RP.DWG PLOT DATE : 11/15/2023 10:05 AM PLOT BY : NICOLE STEINMETZ PLOT NAME : WISDOT 1610-00-27-4.02
APPRAISAL PLAT DATE : 11-16-23

TRANSPORTATION PROJECT PLAT NO: 1610-00-27-4.03

THAT PART OF LOT 13, BLOCK 258, PART OF LOT 24, BLOCK 236, PART OF LOTS 1 AND 12, BLOCK 259, AND PART OF LOT 12 BLOCK 235, ELLIS DIVISION, LOCATED IN PART OF THE NE 1/4 OF THE NW 1/4, SECTION 4,TOWNSHIP 47 NORTH, RANGE 4 WEST, CITY OF ASHLAND, ASHLAND COUNTY, WISCONSIN.

RELOCATION ORDER STH 13 MELLEN - ASHLAND, BUTTERWORTH RD TO USH 2, ASHLAND COUNTY.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF ASHLAND DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF ASHLAND HEREBY ORDERS THAT:

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FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN ASHLAND COUNTY AS SHEET 2 OF 2 DOCUMENT NUMBER 363475, VOL. TPP, ENVELOPE 190A.

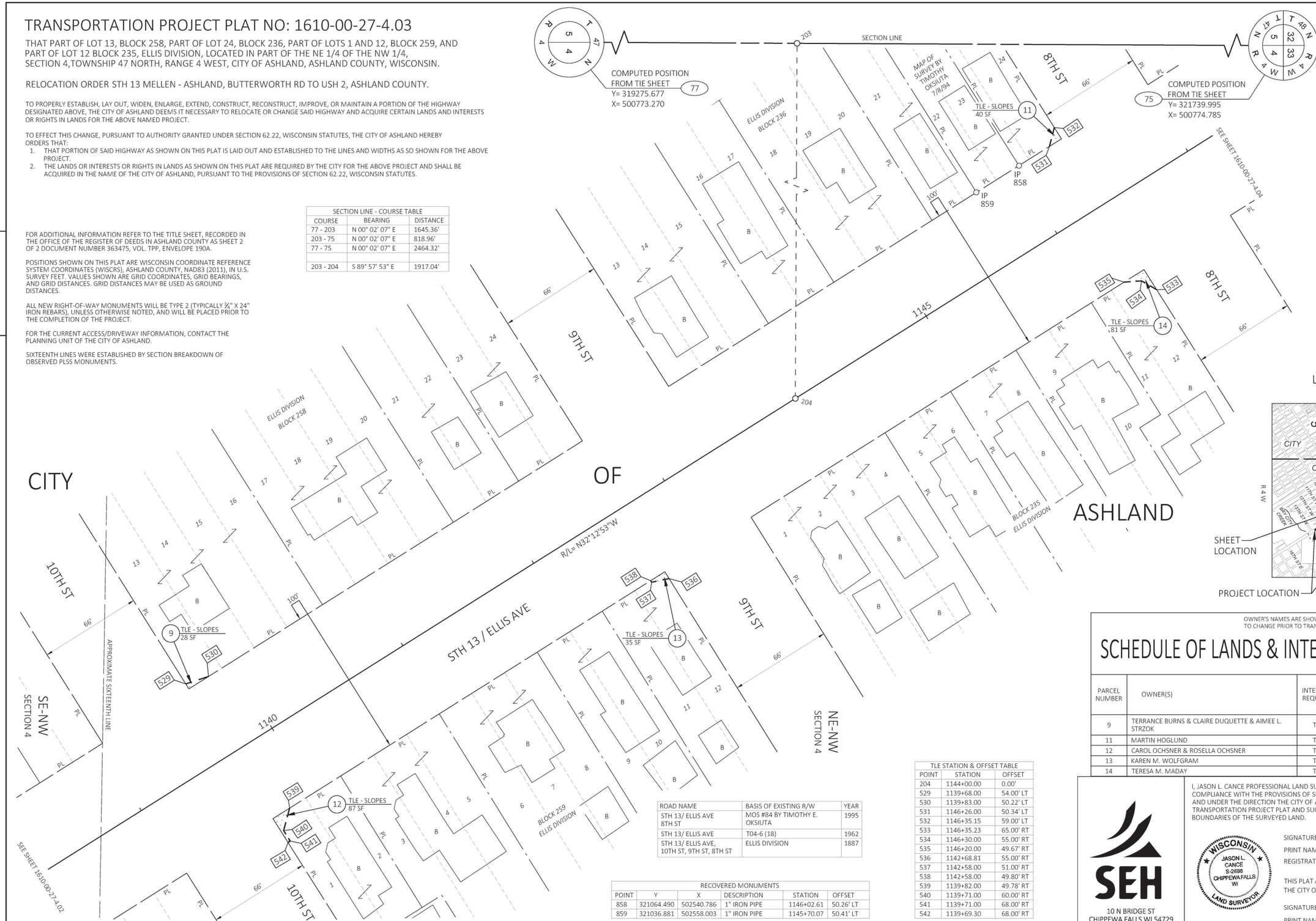
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ASHLAND COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF ASHLAND.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

SECTION LINE - COURSE TABLE		
COURSE	BEARING	DISTANCE
77 - 203	N 00° 02' 07" E	1645.36'
203 - 75	N 00° 02' 07" E	818.96'
77 - 75	N 00° 02' 07" E	2464.32'
203 - 204	S 89° 57' 53" E	1917.04'



ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 13/ ELLIS AVE 8TH ST	MOS #84 BY TIMOTHY E. OKSIUTA	1995
STH 13/ ELLIS AVE	T04-6 (18)	1962
STH 13/ ELLIS AVE, 10TH ST, 9TH ST, 8TH ST	ELLIS DIVISION	1887

RECOVERED MONUMENTS					
POINT	Y	X	DESCRIPTION	STATION	OFFSET
858	321064.490	502540.786	1" IRON PIPE	1146+02.61	50.26' LT
859	321036.881	502558.003	1" IRON PIPE	1145+70.07	50.41' LT

TLE STATION & OFFSET TABLE		
POINT	STATION	OFFSET
204	1144+00.00	0.00'
529	1139+68.00	54.00' LT
530	1139+83.00	50.22' LT
531	1146+26.00	50.34' LT
532	1146+35.15	59.00' LT
533	1146+35.23	65.00' RT
534	1146+30.00	55.00' RT
535	1146+20.00	49.67' RT
536	1142+68.81	55.00' RT
537	1142+58.00	51.00' RT
538	1142+58.00	49.80' RT
539	1139+82.00	49.78' RT
540	1139+71.00	60.00' RT
541	1139+71.00	68.00' RT
542	1139+69.30	68.00' RT

DOCUMENT NO **363509**
Received for Record
at 2:27 PM duly recorded in
Vol. TPP Envelope **191A**
of Transportation Project Plats
November 16 2023
Pages: 1 Fee Amount: $25.00
JULIE M GLEESON
REGISTER OF DEEDS
ASHLAND COUNTY, WI
This document has been electronically recorded

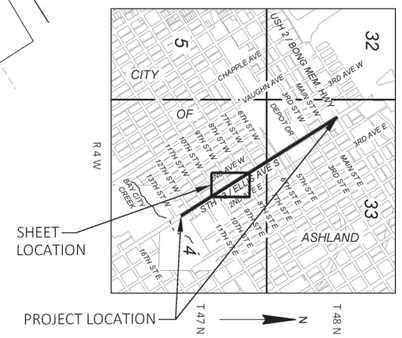
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1610-00-27-4.03

N

SCALE, FEET
0 30 60

LOCATION SKETCH

NOT TO SCALE



OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
9	TERRANCE BURNS & CLAIRE DUQUETTE & AIMEE L. STRZOK	TLE	-	-	-	28
11	MARTIN HOGLUND	TLE	-	-	-	40
12	CAROL OCHSNER & ROSELLA OCHSNER	TLE	-	-	-	87
13	KAREN M. WOLFGRAM	TLE	-	-	-	35
14	TERESA M. MADAY	TLE	-	-	-	81

SEH
10 N BRIDGE ST
CHIPPEWA FALLS WI 54729

I, JASON L. CANCE PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION THE CITY OF ASHLAND, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: DATE: 11-16-23
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF ASHLAND.

SIGNATURE: DATE: 11-16-23
PRINT NAME: JOHN BUTLER

FILE NAME : X:\KO\N\NWBE0\164357\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-20\1610-00-07\RW\DWG\040101-RP.DWG
APPRAISAL PLAT DATE : 11-16-23
PLOT DATE : 11/15/2023 10:05 AM PLOT BY : NICOLE STEINMETZ PLOT NAME :
WISDOT 1610-00-27-4.03

TRANSPORTATION PROJECT PLAT NO: 1610-00-27-4.04

THAT PART OF LOTS 13 AND 24, BLOCK 212, PART OF LOT 24, BLOCK 192, PART OF LOTS 1 AND 12, BLOCK 213, AND PART OF LOT 1, BLOCK 191, ELLIS DIVISION, LOCATED IN PART OF THE NE 1/4 OF THE NW 1/4, SECTION 4, TOWNSHIP 47 NORTH, RANGE 4 WEST, AND PART OF LOTS 11 AND 12, BLOCK 191, ELLIS DIVISION, LOCATED IN PART OF THE SE 1/4 OF THE SW 1/4, SECTION 33, TOWNSHIP 48 NORTH, RANGE 4 WEST, ALL IN THE CITY OF ASHLAND, ASHLAND COUNTY, WISCONSIN.

RELOCATION ORDER STH 13 MELLEN - ASHLAND, BUTTERWORTH RD TO USH 2, ASHLAND COUNTY.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF ASHLAND DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

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LOCATION SKETCH
NOT TO SCALE

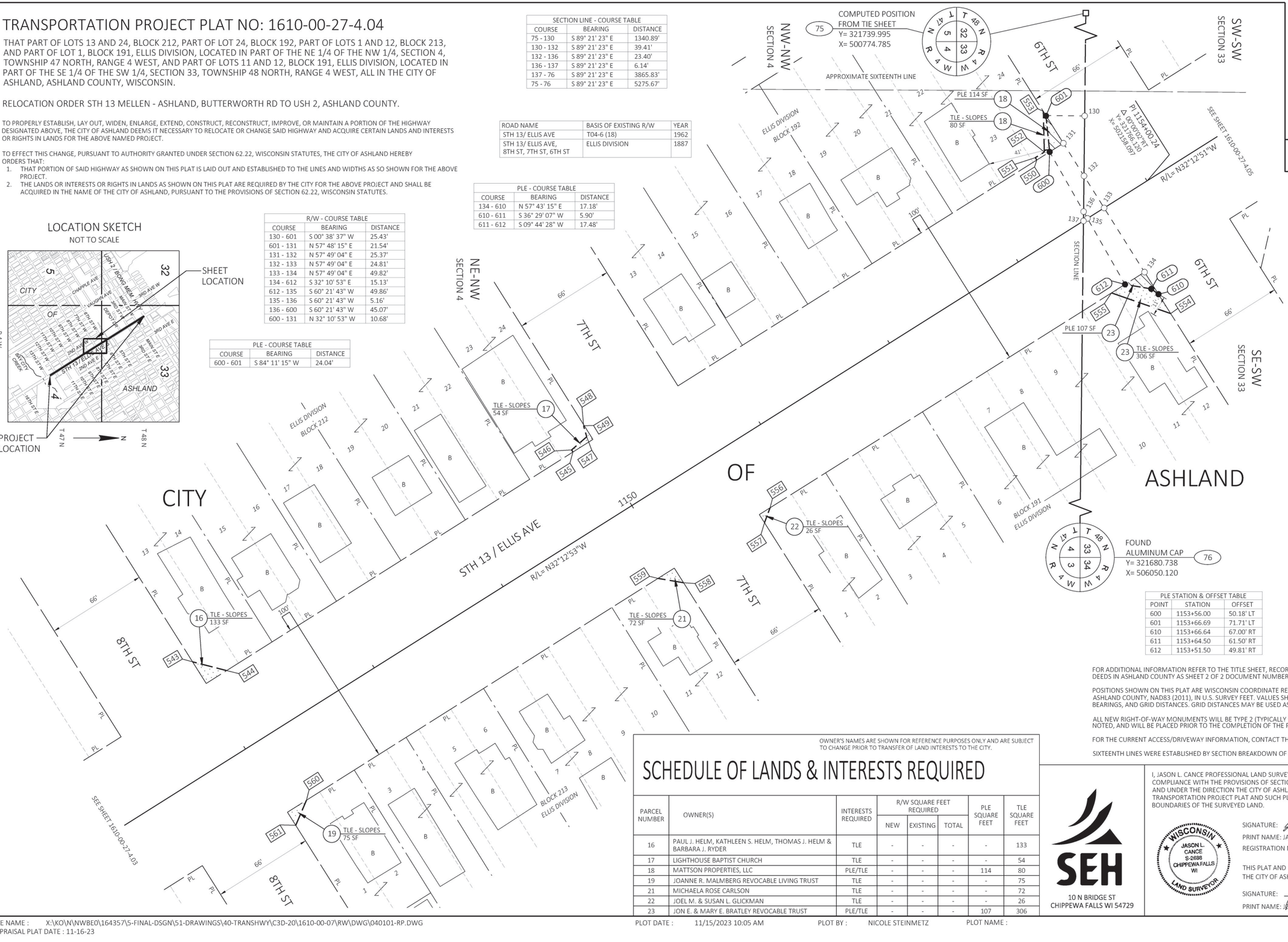
SECTION LINE - COURSE TABLE		
COURSE	BEARING	DISTANCE
75 - 130	S 89° 21' 23" E	1340.89'
130 - 132	S 89° 21' 23" E	39.41'
132 - 136	S 89° 21' 23" E	23.40'
136 - 137	S 89° 21' 23" E	6.14'
137 - 76	S 89° 21' 23" E	3865.83'
75 - 76	S 89° 21' 23" E	5275.67'

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 13/ ELLIS AVE	T04-6 (18)	1962
STH 13/ ELLIS AVE, 8TH ST, 7TH ST, 6TH ST	ELLIS DIVISION	1887

PLE - COURSE TABLE		
COURSE	BEARING	DISTANCE
134 - 610	N 57° 43' 15" E	17.18'
610 - 611	S 36° 29' 07" W	5.90'
611 - 612	S 09° 44' 28" W	17.48'

R/W - COURSE TABLE		
COURSE	BEARING	DISTANCE
130 - 601	S 00° 38' 37" W	25.43'
601 - 131	N 57° 48' 15" E	21.54'
131 - 132	N 57° 49' 04" E	25.37'
132 - 133	N 57° 49' 04" E	24.81'
133 - 134	N 57° 49' 04" E	49.82'
134 - 612	S 32° 10' 53" E	15.13'
612 - 135	S 60° 21' 43" W	49.86'
135 - 136	S 60° 21' 43" W	5.16'
136 - 600	S 60° 21' 43" W	45.07'
600 - 131	N 32° 10' 53" W	10.68'

PLE - COURSE TABLE		
COURSE	BEARING	DISTANCE
600 - 601	S 84° 11' 15" W	24.04'



TLE STATION & OFFSET TABLE		
POINT	STATION	OFFSET
130	1153+88.05	57.92' LT
543	1147+01.15	67.00' LT
544	1147+17.00	50.19' LT
545	1149+86.00	50.36' LT
546	1149+86.00	52.00' LT
547	1149+99.00	54.00' LT
548	1150+01.00	61.00' LT
549	1150+01.51	61.00' LT
550	1153+46.00	50.19' LT
551	1153+46.00	52.00' LT
552	1153+53.00	52.00' LT
553	1153+66.69	75.00' LT
554	1153+66.66	82.00' RT
555	1153+41.00	49.81' RT
556	1150+76.00	49.65' RT
557	1150+67.70	56.00' RT
558	1150+01.71	61.00' RT
559	1149+89.00	49.64' RT
560	1147+16.00	49.81' RT
561	1147+01.23	60.00' RT

PLE STATION & OFFSET TABLE		
POINT	STATION	OFFSET
600	1153+56.00	50.18' LT
601	1153+66.69	71.71' LT
610	1153+66.64	67.00' RT
611	1153+64.50	61.50' RT
612	1153+51.50	49.81' RT

R/W STATION & OFFSET TABLE		
POINT	STATION	OFFSET
131	1153+66.68	50.18' LT
132	1153+66.67	24.81' LT
133	1153+66.65	0.00'
134	1153+66.63	49.82' RT
135	1153+53.74	0.00'
136	1153+53.97	5.16' LT
137	1153+50.64	0.00'

DOCUMENT NO **363510**
Received for Record
at 2:28 PM duly recorded in
Vol. TPP Envelope **191B**
of Transportation Project Plats
November 16 2023
Pages: 1 Fee Amount: $25.00
JULIE M GLEESON
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ASHLAND COUNTY, WI
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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1610-00-27-4.04

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN ASHLAND COUNTY AS SHEET 2 OF 2 DOCUMENT NUMBER 363475, VOL. TPP, ENVELOPE 190A.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ASHLAND COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ⅜" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF ASHLAND.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			PLE SQUARE FEET	TLE SQUARE FEET
			NEW	EXISTING	TOTAL		
16	PAUL J. HELM, KATHLEEN S. HELM, THOMAS J. HELM & BARBARA J. RYDER	TLE	-	-	-	-	133
17	LIGHTHOUSE BAPTIST CHURCH	TLE	-	-	-	-	54
18	MATTSON PROPERTIES, LLC	PLE/TLE	-	-	-	114	80
19	JOANNE R. MALMBERG REVOCABLE LIVING TRUST	TLE	-	-	-	-	75
21	MICHAELA ROSE CARLSON	TLE	-	-	-	-	72
22	JOEL M. & SUSAN L. GLICKMAN	TLE	-	-	-	-	26
23	JON E. & MARY E. BRATLEY REVOCABLE TRUST	PLE/TLE	-	-	-	107	306

SEH
10 N BRIDGE ST
CHIPPEWA FALLS WI 54729

I, JASON L. CANCE PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION THE CITY OF ASHLAND, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
JASON L. CANCE
S-2688
CHIPPEWA FALLS WI
LAND SURVEYOR

SIGNATURE: DATE: 11-16-23
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF ASHLAND.

SIGNATURE: DATE: 11-16-23
PRINT NAME: JOHN BUTLER

FILE NAME : X:\KO\N\NWBE0\164357\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-20\1610-00-07\RW\DWG\040101-RP.DWG
APPRAISAL PLAT DATE : 11-16-23
PLOT DATE : 11/15/2023 10:05 AM PLOT BY : NICOLE STEINMETZ PLOT NAME :
WISDOT 1610-00-27-4.04

TRANSPORTATION PROJECT PLAT NO: 1610-00-27-4.05

THAT PART OF LOT 2, CSM 526, V. 3, P. 261, DOC. 310474, AND PART OF LOT 24, BLOCK 165, PART OF LOT 13, BLOCK 151, PART OF LOT 1, BLOCK 150, ELLIS DIVISION, PART OF VACATED 4TH ST, PART OF VACATED 5TH ST, V. 525, P. 125, DOC. X273458 AND PART OF LOT 2, CSM 503, V. 3, P. 216, DOC. 308224, LOCATED IN PART OF THE SW 1/4 OF THE SW 1/4, AND PART OF LOT 1, BLOCK 166, ELLIS DIVISION, LOCATED IN PART OF THE SE 1/4 OF THE SW 1/4, ALL IN SECTION 33, TOWNSHIP 48 NORTH, RANGE 4 WEST, CITY OF ASHLAND, ASHLAND COUNTY, WISCONSIN.

RELOCATION ORDER STH 13 MELLEN - ASHLAND, BUTTERWORTH RD TO USH 2, ASHLAND COUNTY.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF ASHLAND DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF ASHLAND HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF ASHLAND, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
80	XCEL ENERGY - ELECTRIC	RELEASE OF RIGHTS

UTILITY EASEMENT TABLE			
UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
80	24, 26, 28	NO RECORD OF EASEMENT	XCEL ENERGY

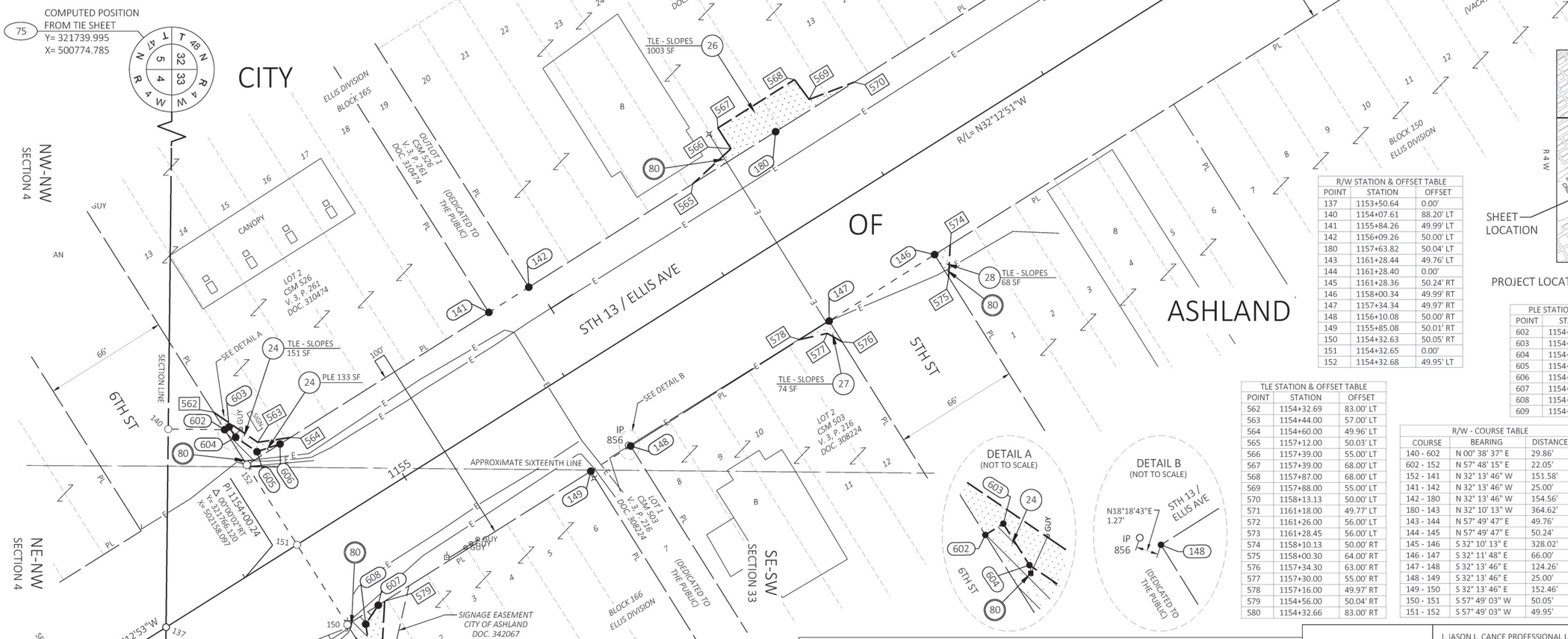
RECOVERED MONUMENTS					
POINT	Y	X	DESCRIPTION	STATION	OFFSET
846	322334.667	501737.562	1/2" IRON PIPE	1161+05.44	52.72' LT
856	321969.117	502088.138	1-1/4" IRON PIPE'	1156+09.28	49.03' RT

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 13/ ELLIS AVE, 6TH ST W	CSM 526, V. 3, P. 261, DOC. 310474	2008
STH 13/ ELLIS AVE, 5TH ST E	CSM 503, V. 3, P. 216, DOC. 308224	2007
VACATED 4TH ST	MAP OF SURVEY BY TIMOTHY OKSIUTA	1999
VACATED 4TH ST	MAP OF SURVEY BY LARRY NELSON	1990
STH 13/ ELLIS AVE, 6TH ST, 5TH ST	ELLIS DIVISION	1887

SECTION LINE - COURSE TABLE		
COURSE	BEARING	DISTANCE
75 - 140	S 89° 21' 23" E	1304.84'
140 - 137	S 89° 21' 23" E	105.00'
137 - 76	S 89° 21' 23" E	3865.83'
75 - 76	S 89° 21' 23" E	5275.67'

DOCUMENT NO **363511**
Received for Record
at 2:29 PM duly recorded in
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JULIE M GLEESON
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PROJECT NUMBER 1610-00-27-4.05



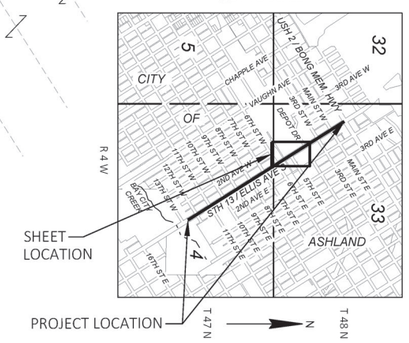
DETAIL A
(NOT TO SCALE)

DETAIL B
(NOT TO SCALE)

N

SCALE, FEET
0 30 60

LOCATION SKETCH
NOT TO SCALE



R/W STATION & OFFSET TABLE		
POINT	STATION	OFFSET
137	1153+50.64	0.00'
140	1154+07.61	88.20' LT
141	1155+84.26	49.99' LT
142	1156+09.26	50.00' LT
180	1157+63.82	50.04' LT
143	1161+28.44	49.76' LT
144	1161+28.40	0.00'
145	1161+28.36	50.24' RT
146	1158+00.34	49.99' RT
147	1157+34.34	49.97' RT
148	1156+10.08	50.00' RT
149	1155+85.08	50.01' RT
150	1154+32.63	50.05' RT
151	1154+32.65	0.00'
152	1154+32.68	49.95' LT

PLE STATION & OFFSET TABLE		
POINT	STATION	OFFSET
602	1154+32.69	72.00' LT
603	1154+35.50	72.00' LT
604	1154+35.50	65.50' LT
605	1154+41.00	53.00' LT
606	1154+53.50	49.96' LT
607	1154+51.95	50.04' RT
608	1154+41.00	55.00' RT
609	1154+32.65	74.00' RT

TLE STATION & OFFSET TABLE		
POINT	STATION	OFFSET
562	1154+32.69	83.00' LT
563	1154+44.00	57.00' LT
564	1154+60.00	49.96' LT
565	1157+12.00	50.03' LT
566	1157+39.00	55.00' LT
567	1157+39.00	68.00' LT
568	1157+87.00	68.00' LT
569	1157+88.00	55.00' LT
570	1158+13.13	50.00' LT
571	1161+18.00	49.77' LT
572	1161+26.00	56.00' LT
573	1161+28.45	56.00' LT
574	1158+10.13	50.00' RT
575	1158+00.30	64.00' RT
576	1157+34.30	63.00' RT
577	1157+30.00	55.00' RT
578	1157+16.00	49.97' RT
579	1154+56.00	50.04' RT
580	1154+32.66	83.00' RT

R/W - COURSE TABLE		
COURSE	BEARING	DISTANCE
140 - 602	N 00° 38' 37" E	29.86'
602 - 152	N 57° 48' 15" E	22.05'
152 - 141	N 32° 13' 46" W	151.58'
141 - 142	N 32° 13' 46" W	25.00'
142 - 180	N 32° 13' 46" W	154.56'
180 - 143	N 32° 10' 13" W	364.62'
143 - 144	N 57° 49' 47" E	49.76'
144 - 145	N 57° 49' 47" E	50.24'
145 - 146	S 32° 10' 13" E	328.02'
146 - 147	S 32° 11' 48" E	66.00'
147 - 148	S 32° 13' 46" E	124.26'
148 - 149	S 32° 13' 46" E	25.00'
149 - 150	S 32° 13' 46" E	152.46'
150 - 151	S 57° 49' 03" W	50.05'
151 - 152	S 57° 49' 03" W	49.95'

PLE - COURSE TABLE		
COURSE	BEARING	DISTANCE
602 - 603	N 32° 12' 51" W	2.81'
603 - 604	N 57° 47' 09" E	6.50'
604 - 605	N 34° 02' 11" E	13.66'
605 - 606	N 18° 31' 46" W	12.87'
606 - 152	S 32° 13' 46" E	20.82'
152 - 602	S 57° 48' 15" W	22.05'

PLE - COURSE TABLE		
COURSE	BEARING	DISTANCE
607 - 608	S 56° 34' 08" E	12.02'
608 - 609	N 81° 30' 10" E	20.75'
609 - 150	S 57° 43' 15" W	23.95'
150 - 607	N 32° 13' 46" W	19.32'

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN ASHLAND COUNTY AS SHEET 2 OF 2 DOCUMENT NUMBER 363475, VOL. TPP, ENVELOPE 190A.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ASHLAND COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF ASHLAND.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			PLE SQUARE FEET	TLE SQUARE FEET
			NEW	EXISTING	TOTAL		
24	KWIK TRIP, INC.	PLE/TLE	-	-	-	281	388
26	G & R ASSOCIATES, L.L.P.	TLE	-	-	-	-	1043
27	WINGER PROPERTIES, LLC	TLE	-	-	-	-	74
28	THE BRICK MINISTRIES, INC.	TLE	-	-	-	-	68

SEH
10 N BRIDGE ST
CHIPPEWA FALLS WI 54729

I, JASON L. CANCE PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION THE CITY OF ASHLAND, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: DATE: 11-16-23
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF ASHLAND.

SIGNATURE: DATE: 11-16-23
PRINT NAME: JOHN BUTLER

FILE NAME : X:\KO\N\NWBE0\164357\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D-20\1610-00-07\RW\DWG\040101-RP.DWG
APPRAISAL PLAT DATE : 11-16-23
PLOT DATE : 11/15/2023 10:05 AM PLOT BY : NICOLE STEINMETZ PLOT NAME :
WISDOT 1610-00-27-4.05

TRANSPORTATION PROJECT PLAT NO: 1610-00-27-4.06

THAT PART OF LOTS 14 AND 24, BLOCK 121, PART OF LOTS 13 AND 24, BLOCK 109, PART OF LOT 12, BLOCK 122, AND PART OF LOT 12, BLOCK 108, ELLIS DIVISION, AND PART OF LOT 1, CSM 437, V. 3, P. 55, DOC. X293610, LOCATED IN PART OF THE SW 1/4 OF THE SW 1/4, SECTION 33, TOWNSHIP 48 NORTH, RANGE 4 WEST, CITY OF ASHLAND, ASHLAND COUNTY, WISCONSIN.

RELOCATION ORDER STH 13 MELLEN - ASHLAND, BUTTERWORTH RD TO USH 2, ASHLAND COUNTY.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF ASHLAND DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF ASHLAND HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
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FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN ASHLAND COUNTY AS SHEET 2 OF 2 DOCUMENT NUMBER 363475, VOL. TPP, ENVELOPE 190A.

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ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF ASHLAND.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

DOCUMENT NO **363512**
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JULIE M GLEESON
REGISTER OF DEEDS
ASHLAND COUNTY, WI
This document has been electronically recorded

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1610-00-27-4.06

RECOVERED MONUMENTS					
POINT	Y	X	DESCRIPTION	STATION	OFFSET
842	322949.858	501352.208	MAG NAIL	1168+31.36	50.80' LT

COMPUTED POSITION
FROM TIE SHEET
Y= 321739.995
X= 500774.785
75

SECTION LINE - COURSE TABLE		
COURSE	BEARING	DISTANCE
75 - 160	S 89° 21' 23" E	946.04'
160 - 76	S 89° 21' 23" E	4329.63'
75 - 76	S 89° 21' 23" E	5275.67'

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 13/ ELLIS AVE, MAIN ST	MOS #1189 BY TIMOTHY E. OKSIUTA	2016
STH 13/ ELLIS AVE, 3RD ST E	CSM 437, V. 3, P. 55, DOC. X293610	2004
STH 13/ ELLIS AVE, 3RD ST, MAIN ST	ELLIS DIVISION	1887

PLE - COURSE TABLE		
COURSE	BEARING	DISTANCE
613 - 614	S 77° 11' 14" W	12.47'
614 - 183	N 57° 41' 38" E	11.75'
183 - 613	S 32° 17' 54" E	4.16'

PLE - COURSE TABLE		
COURSE	BEARING	DISTANCE
615 - 616	N 78° 43' 00" E	15.40'
616 - 617	S 32° 12' 51" E	1.46'
617 - 184	S 57° 45' 20" W	14.37'
184 - 615	N 32° 17' 47" W	6.97'

PLE - COURSE TABLE		
COURSE	BEARING	DISTANCE
619 - 185	N 32° 17' 54" W	4.03'
185 - 618	N 57° 45' 20" E	7.75'
618 - 619	S 30° 15' 15" W	8.73'

R/W - COURSE TABLE		
COURSE	BEARING	DISTANCE
160 - 143	N 00° 38' 37" E	626.37'
143 - 182	N 32° 10' 13" W	4.00'
182 - 183	N 32° 17' 54" W	333.22'
183 - 161	N 32° 19' 14" W	66.00'
161 - 842	N 32° 17' 47" W	299.70'
842 - 162	N 57° 18' 11" E	50.80'
162 - 163	N 57° 18' 11" E	49.20'
163 - 184	S 32° 17' 47" E	300.67'
184 - 185	S 32° 19' 14" E	66.00'
185 - 181	S 32° 17' 54" E	333.06'
181 - 145	S 32° 10' 13" E	4.11'
145 - 144	S 57° 49' 47" W	50.24'
144 - 143	S 57° 49' 47" W	49.76'

FOUND
ALUMINUM CAP
Y= 321680.738
X= 506050.120
76

UTILITY EASEMENT TABLE			
UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
81	34	NO RECORD OF EASEMENT	XCEL ENERGY
82	32	NO RECORD OF EASEMENT	NORVADO

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
81	XCEL ENERGY - GAS	RELEASE OF RIGHTS
82	NORVADO - FIBER OPTIC	RELEASE OF RIGHTS

PLE STATION & OFFSET TABLE		
POINT	STATION	OFFSET
613	1164+61.50	50.25' LT
614	1164+65.64	62.00' LT
615	1165+38.50	49.62' RT
616	1165+33.00	64.00' RT
617	1165+31.54	64.00' RT
618	1164+65.54	57.50' RT
619	1164+61.50	49.76' RT

R/W STATION & OFFSET TABLE		
POINT	STATION	OFFSET
143	1161+28.44	49.76' LT
182	1161+32.44	49.76' LT
183	1164+65.66	50.25' LT
161	1165+31.66	50.37' LT
842	1168+31.36	50.80' LT
162	1168+31.79	0.00'
163	1168+32.20	49.20' RT
184	1165+31.53	49.63' RT
185	1164+65.53	49.75' RT
181	1161+32.48	50.24' RT
145	1161+28.36	50.24' RT
144	1161+28.40	0.00'

TLE STATION & OFFSET TABLE		
POINT	STATION	OFFSET
492	1164+51.00	49.77' RT
493	1164+51.00	53.00' RT
494	1164+59.00	53.00' RT
495	1164+65.54	65.00' RT
496	1165+31.54	65.00' RT
497	1165+33.00	65.00' RT
498	1165+42.00	54.00' RT
499	1165+50.00	52.00' RT
581	1161+91.07	71.00' LT
582	1161+94.00	71.00' LT
583	1161+94.00	63.00' LT
584	1162+04.00	49.86' LT
585	1164+56.00	50.23' LT
586	1164+63.00	66.00' LT
587	1164+65.63	66.00' LT
588	1165+31.65	57.00' LT
589	1165+40.00	50.38' LT
590	1168+24.00	50.79' LT
591	1168+24.00	54.49' LT
592	1168+30.11	54.46' LT
593	1168+30.11	62.00' LT
594	1168+31.35	62.00' LT
595	1168+32.23	74.00' RT
596	1168+30.00	74.00' RT
597	1168+24.00	54.00' RT
598	1168+06.00	49.24' RT
599	1165+50.00	49.60' RT
620	1161+91.08	49.84' LT

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			PLE SQUARE FEET	TLE SQUARE FEET
			NEW	EXISTING	TOTAL		
29	SUPERIOR COMMUNITY CREDIT UNION	TLE	-	-	-	-	128
31	NORTHWOODS WOMEN, INC.	PLE/TLE	-	-	-	24	72
32	JAMES J. HABAS	TLE	-	-	-	-	28
33	ASPENSON PROPERTIES, LLC	TLE	-	-	-	-	36
34	IMPACT SEVEN, INC.	PLE/TLE	-	-	-	16	71
36	FAMILY VIDEO MOVIE CLUB, INC.	PLE/TLE	-	-	-	61	78
37	REALTY INCOME PROPERTIES 6, LLC	TLE	-	-	-	-	187

SEH
10 N BRIDGE ST
CHIPPEWA FALLS WI 54729

I, JASON L. CANCE PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION THE CITY OF ASHLAND, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: DATE: 11-16-23
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF ASHLAND.
SIGNATURE: DATE: 11-16-23
PRINT NAME: JOHN BUTLER

LOCATION SKETCH
NOT TO SCALE

SCALE, FEET
0 30 60

TRANSPORTATION PROJECT PLAT NO: 1610-00-27-4.07

THAT PART OF LOT 3, CSM 502, V. 3, P. 214, DOC. 308179, LOCATED IN PART OF THE SW 1/4 OF THE SW1/4, AND PART OF LOTS 1 AND 2, BLOCK 78, ELLIS DIVISION, LOCATED IN PART OF GOV. LOT 4, SECTION 33, TOWNSHIP 48 NORTH, RANGE 4 WEST, CITY OF ASHLAND, ASHLAND COUNTY, WISCONSIN.

RELOCATION ORDER STH 13 MELLEN - ASHLAND, BUTTERWORTH RD TO USH 2, ASHLAND COUNTY.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF ASHLAND DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF ASHLAND HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF ASHLAND, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

ROAD NAME	BASIS OF EXISTING R/W	YEAR
STH 13/ ELLIS AVE, USH 2	R/W PROJECT PLAT 1180-40-21	2007
STH 13/ ELLIS AVE, USH 2, MAIN ST W	CSM 502, V. 3, P. 214, DOC. 308179	2007
STH 13/ ELLIS AVE, MAIN ST	ELLIS DIVISION	1887

R/W STATION & OFFSET TABLE		
POINT	STATION	OFFSET
162	1168+31.79	0.00'
163	1168+32.20	49.20' RT
171	1168+97.36	50.66' LT
172	1171+97.61	50.81' LT
173	1171+97.60	0.00'
174	1171+97.60	49.19' RT
175	1168+98.20	49.34' RT
842	1168+31.36	50.80' LT

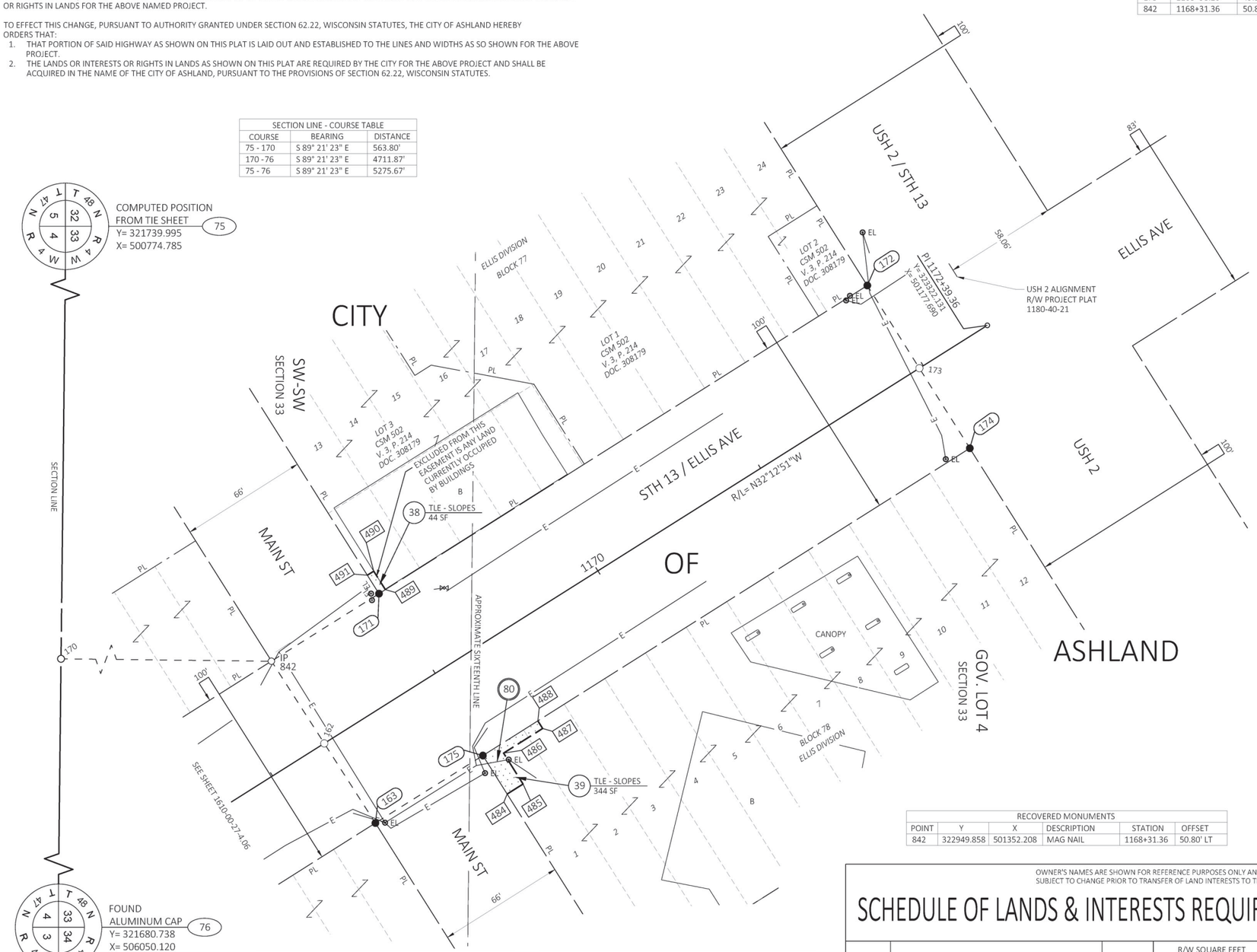
TLE STATION & OFFSET TABLE		
POINT	STATION	OFFSET
484	1168+98.23	73.00' RT
485	1169+08.00	73.00' RT
486	1169+08.00	54.00' RT
487	1169+32.00	54.00' RT
488	1169+32.00	49.32' RT
489	1169+01.28	50.66' LT
490	1169+01.27	62.00' LT
491	1168+97.35	62.00' LT

DOCUMENT NO **363513**
Received for Record
at 2:32 PM duly recorded in
Vol. TPP Envelope **193A**
of Transportation Project Plats
November 16 2023
Pages: 1 Fee Amount: $25.00
JULIE M GLEESON
REGISTER OF DEEDS
ASHLAND COUNTY, WI
This document has been electronically recorded

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1610-00-27-4.07

SECTION LINE - COURSE TABLE		
COURSE	BEARING	DISTANCE
75 - 170	S 89° 21' 23" E	563.80'
170 -76	S 89° 21' 23" E	4711.87'
75 - 76	S 89° 21' 23" E	5275.67'

R/W - COURSE TABLE		
COURSE	BEARING	DISTANCE
170 - 842	N 00° 38' 37" E	1216.27'
842 - 171	N 32° 05' 39" W	66.00'
171 - 172	N 32° 14' 31" W	300.25'
172 - 173	N 57° 47' 49" E	50.81'
173 - 174	N 57° 47' 49" E	49.19'
174 - 175	S 32° 14' 31" E	299.39'
175 - 163	S 32° 05' 37" E	66.00'
163 - 162	S 57° 18' 11" W	49.20'
162 - 842	S 57° 18' 11" W	50.80'



UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNER (S)	INTEREST REQUIRED
80	XCEL ENERGY - ELECTRIC	RELEASE OF RIGHTS

UTILITY EASEMENT TABLE			
UTILITY NUMBER	PARCEL	RECORDING INFORMATION	NAME
80	39	NO RECORD OF EASEMENT	XCEL ENERGY

RECOVERED MONUMENTS					
POINT	Y	X	DESCRIPTION	STATION	OFFSET
842	322949.858	501352.208	MAG NAIL	1168+31.36	50.80' LT

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTERESTS TO THE CITY.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
38	SHEN PROPERTIES, LLC	TLE	-	-	-	44
39	INDIANHEAD OIL CO., INC.	TLE	-	-	-	344

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN ASHLAND COUNTY AS SHEET 2 OF 2 DOCUMENT NUMBER 363475, VOL. TPP, ENVELOPE 190A.

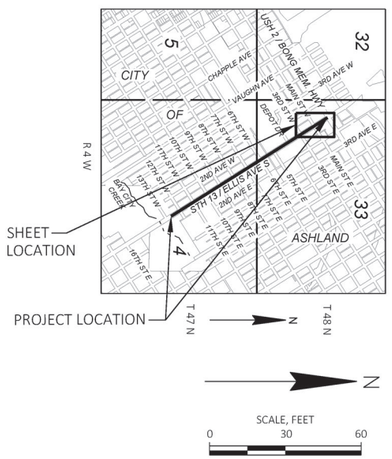
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ASHLAND COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF ASHLAND.

SIXTEENTH LINES WERE ESTABLISHED BY SECTION BREAKDOWN OF OBSERVED PLSS MONUMENTS.

LOCATION SKETCH
NOT TO SCALE



SEH
10 N BRIDGE ST
CHIPPEWA FALLS WI 54729

I, JASON L. CANCE PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION THE CITY OF ASHLAND, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN JASON L. CANCE S-2688 CHIPPEWA FALLS WI LAND SURVEYOR

SIGNATURE: DATE: 11-16-23
PRINT NAME: JASON L. CANCE
REGISTRATION NUMBER: S-2688

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF ASHLAND.
SIGNATURE: DATE: 11-16-23
PRINT NAME: JOHN BUTLER

N

BEGIN PROJECT
STA 977+96.10
Y=305,983.352
X=508,612.408
BUTT JOINT REQUIRED
(SEE CONSTRUCTION DETAIL)

RIGHT-OF-WAY

BUTTERWORTH RD

PI: 978+27.02

END CONSTRUCTION
STA 9+48 'BW'
BUTT JOINT REQUIRED
(SEE CONSTRUCTION DETAIL)

STA. 981+71
EXISTING 42" X 62' CPRC
TO REMAIN

STA. 981+57 - 981+83
REMOVE AND REPLACE CULVERT PIPE
BACKFILL MATERIAL (SEE DETAIL)

STA 982+95 LT
REPLACE ASPHALT P.E.
SAW CUT REQ'D

DELINEATED WETLAND

STA 978+36.48 STH 13
STA 10+00.00 'BW'

976 N0°00'11"E 978 980 STH 13 982 N0°12'14"E 984

STA 978+27.02 STH 13
STA 10+00.00 'BE'

END CONSTRUCTION
STA 10+53 'BE'
BUTT JOINT REQUIRED
(SEE CONSTRUCTION DETAIL)

RIGHT-OF-WAY

DELINEATED WETLAND

PEARCE RD

MATCH LINE 984+50

5

5

N

STA. 987+81 LT
RESTORE GRAVEL C.E.

MATCH LINE 984+50

PI: 990+04.18

RIGHT-OF-WAY

986 N0°12'14"E 988 990 992 STH 13 994 996 N0°04'25"E 998

MATCH LINE 999+50

STA 985+08 RT
RESTORE GRAVEL P.E.

STA 993+40 RT
RESTORE GRAVEL C.E.

RIGHT-OF-WAY

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN - STH 13 (ELLIS AVENUE)	SHEET 233	E

STA. 1000+54
EXISTING 42" X 56' CPRC
TO REMAIN

STA. 1000+38 - 1000+65
REMOVE AND REPLACE CULVERT PIPE
BACKFILL MATERIAL (SEE DETAIL)

STA. 1002+85 LT
RESTORE GRAVEL P.E.

STA. 1009+12
1 - 30" X 62' CPRC, 2 AEW'S REQ'D
1 - REMOVE SMALL PIPE CULVERT (24" X 61' CPRC)

DELINEATED WETLAND

RIGHT-OF-WAY

SLOPE INTERCEPT FOR SLOPE GRADING
(SEE CROSS-SECTIONS)

MATCH LINE 999+50

1000 1002 1004 STH 13 1006 N0°04'25"E 1008 1010 1012 1014

MATCH LINE 1014+50

DELINEATED WETLAND

RIGHT-OF-WAY

SLOPE INTERCEPT FOR SLOPE GRADING
(SEE CROSS-SECTIONS)

DELINEATED WETLAND

STA. 1000+54 RT
CLEANING CULVERT PIPES MINIMAL

STA 1001+20 RT
RESTORE GRAVEL P.E.

STA 1004+64 RT
RESTORE GRAVEL P.E.

STA 1008+79 RT
RESTORE GRAVEL P.E.

STA. 1009+07 - 1009+22 RT
RIPRAP MEDIUM W/ GEOTEXTILE TYPE HR

5

5

SUPERELEVATION REPORT FOR '13-BESTFIT'					
TRANSITION EVENT POINTS		RATE (FT/FT)			
LOCATION	STATION	LT SHLD	LT LANE	RT LANE	RT SHLD
END NORM. SHLD	1023+54.22	-0.04	-0.02	-0.02	-0.02
END NORM. CROWN	1023+54.22	-0.04	-0.02	-0.02	-0.02
LEVEL CROWN	1024+07.55	-0.04	-0.02	0	0
REVERSE CROWN	1024+60.89	-0.04	-0.02	0.02	0.02
LOW SHLD MATCH	1025+14.22	-0.04	-0.04	0.04	0.04
BEGIN FULL SUPER	1025+27.55	-0.045	-0.045	0.045	0.045

PI STA = 1033+09.32
Y = 311496.561
X = 508622.126
DELTA = 32°15'24" LT
D = 2°00'58"
T = 821.76'
L = 1599.88'
R = 2841.79'
PC STA = 1024+87.56
PT STA = 1040+87.44

STA. 1019+52
2 - 36" X 66' CPRC, 4 AEW'S REQ'D
1 - REMOVE SMALL PIPE CULVERT (42" X 69' CPRC)

STA 982+95 LT
REPLACE ASPHALT P.E.
SAW CUT REQ'D

DELINEATED WETLAND

SLOPE INTERCEPT FOR SLOPE GRADING
(SEE CROSS-SECTIONS)

RIGHT-OF-WAY

PC: 1024+87.56

MATCH LINE 1014+50

1016 N0°04'25"E 1018 1020 1022 STH 13 1024 1026 1028

MATCH LINE 1029+50

DELINEATED WETLAND

RIGHT-OF-WAY

SLOPE INTERCEPT FOR SLOPE GRADING
(SEE CROSS-SECTIONS)

STA 1014+57 RT
RESTORE GRAVEL C.E.

STA 1017+96 RT
RESTORE GRAVEL P.E.

STA. 1019+39 - 1019+39 RT
RIPRAP MEDIUM W/ GEOTEXTILE TYPE HR

STA 1023+26 RT
RESTORE GRAVEL C.E.

STA 1027+24 RT
RESTORE GRAVEL P.E.

STA 1029+10 RT
RESTORE GRAVEL C.E.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN - STH 13 (ELLIS AVENUE)	SHEET 234	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050101_PP-STH13.DWG
LAYOUT NAME - 13_pn-02

PLOT DATE : 7/31/2024 10:10 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

SUPERELEVATION REPORT FOR '13-BESTFIT'					
TRANSITION EVENT POINTS		RATE (FT/FT)			
LOCATION	STATION	LT SHLD	LT LANE	RT LANE	RT SHLD
END FULL SUPER	1040+47.45	-0.045	-0.045	0.045	0.045
LOW SHLD MATCH	1040+60.78	-0.04	-0.04	0.04	0.04
REVERSE CROWN	1041+14.11	-0.04	-0.02	0.02	0.02
LEVEL CROWN	1041+67.45	-0.04	-0.02	0	0
BEGIN NORM. CROWN	1042+20.78	-0.04	-0.02	-0.02	-0.02
BEGIN NORM. SHLD	1042+20.78	-0.04	-0.02	-0.02	-0.02

PI STA = 1033+09.32
Y = 311496.561
X = 508622.126
DELTA = 32°15'24" LT
D = 2°00'58"
T = 821.76'
L = 1599.88'
R = 2841.79'
PC STA = 1024+87.56
PT STA = 1040+87.44

STA. 1030+57
EXISTING 24" X 68' CPRC
TO REMAIN

STA. 1030+57 LT
CLEAN CULVERT PIPE FULL

STA. 1030+93 LT
RESTORE GRAVEL P.E.

STA. 1030+48 - 1030+65
REMOVE AND REPLACE CULVERT PIPE
BACKFILL MATERIAL (SEE DETAIL)

DELINEATED WETLAND

MATCH LINE 1029+50

1030 1032 1034 1036 1038 1040 1042 1044

STH 13 (ELLIS AVE.)

N27°57'28"W

N32°10'59"W

RIGHT-OF-WAY

STA 1030+98.17 STH 13
STA 10+00.00 'OL'

DELINEATED WETLAND

END CONSTRUCTION
STA 10+66 'OL'
BUTT JOINT REQUIRED
(SEE CONSTRUCTION DETAIL)

OLD AIRPORT RD

STA. 1030+57 RT
CLEAN CULVERT PIPE MINIMAL

033+09.32

PT: 1040+87.44

STA 1041+36.09 STH 13
STA 10+00.00 'SA'

PC: 10+33.19

END CONSTRUCTION
STA 10+36 'SA'
PAVE ASPHALT APRON
(SEE CONSTRUCTION DETAIL)

PI: 11+36.32

SAWMILL RD

MATCH LINE 1044+50

STA. 1055+14 LT
RESTORE F.E.

1046 1048 1050 1052 1054 1056 1058

STH 13 (ELLIS AVE.)

N32°10'59"W

RIGHT-OF-WAY

MATCH LINE 1044+50

MATCH LINE 1059+50

STA 1057+68 RT
REPLACE ASPHALT P.E.
SAW CUT REQ'D

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN - STH 13 (ELLIS AVENUE)	SHEET 235	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050101_PP-STH13.DWG
LAYOUT NAME - 13_pn-03

PLOT DATE : 7/31/2024 10:10 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

STA. 1060+52
1 - 30" X 60' CPRC, 2 AEW'S REQ'D
1 - REMOVE SMALL PIPE CULVERT (24" X 59' CPRC)

STA 1060+93 LT
RESTORE GRAVEL P.E.

SLOPE INTERCEPT FOR SLOPE GRADING
(SEE CROSS-SECTIONS)

DELINEATED
WETLAND

BINSFIELD RD

END CONSTRUCTION
STA 9+20 'BI'
PAVE ASPHALT APRON
(SEE CONSTRUCTION DETAIL)

PT: 9+23.41

STA 1063+24.41 STH 13
STA 10+00.00 'BI'

STA. 1069+67
EXISTING 30" X 56' CPRC
TO REMAIN

STA. 1069+60 - 1069+76
REMOVE AND REPLACE CULVERT PIPE
BACKFILL MATERIAL (SEE DETAIL)

STA 1070+61 LT
RESTORE F.E.

STA. 1069+67 LT
CLEAN CULVERT PIPE MINIMAL

RIGHT-OF-WAY

DELINEATED WETLAND

MATCH LINE 1059+50

1060 1062 1064 STH 13 (ELLIS AVE.) 1066 N32°10'59"W 1068 1070 1072 1074

MATCH LINE 1074+50

DELINEATED WETLAND

SLOPE INTERCEPT FOR SLOPE GRADING
(SEE CROSS-SECTIONS)

RIGHT-OF-WAY

DELINEATED WETLAND

STA 1061+58 RT
REPLACE ASPHALT C.E.
SAW CUT REQ'D

STA 1067+01 RT
RESTORE GRAVEL C.E.

STA. 1069+67 RT
CLEAN CULVERT PIPE FULL

STA 1070+48 RT
RESTORE F.E.

STA. 1086+99
EXISTING 2 - 30" X 58' CPRC
TO REMAIN

STA. 1086+77 - 1087+26
REMOVE AND REPLACE CULVERT PIPE
BACKFILL MATERIAL (SEE DETAIL)

STA 1079+10 LT
RESTORE F.E.

DELINEATED WETLAND

RIGHT-OF-WAY

MATCH LINE 1074+50

1076 1078 1080 N32°10'59"W 1082 STH 13 (ELLIS AVE.) 1084 1086 1088

MATCH LINE 1089+50

RIGHT-OF-WAY

DELINEATED WETLAND

STA 1079+10 RT
RESTORE GRAVEL P.E.

STA 1089+33 RT
RESTORE ASPHALT
APRON C.E.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN - STH 13 (ELLIS AVENUE)	SHEET 236	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050101_PP-STH13.DWG
LAYOUT NAME - 13_pn-04

PLOT DATE : 7/31/2024 10:10 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

N

22ND ST

END CONSTRUCTION
STA 9+54 'TN'
BUTT JOINT REQUIRED
(SEE CONSTRUCTION DETAIL)

RIGHT-OF-WAY

STA 1095+44.54 STH 13
STA 10+00.00 'TN'

MATCH LINE 1089+50

1090 1092 1094 1096 1098 STH 13 (ELLIS AVE.) 1100 N32°10'59"W 1102 1104

MATCH LINE 1104+50

RIGHT-OF-WAY

END CONSTRUCTION
STA 10+57 'TN'
PAVE ASPHALT APRON
(SEE CONSTRUCTION DETAIL)

STA 1095+49, 37' RT
SALVAGED MANHOLE COVER
(COVER UNDER HMA PAVMENT)

STA 1100+57 RT
RESTORE F.E.

STA 1102+61 RT
RESTORE GRAVEL P.E.

5

33 RT
SPHALT

5

18TH ST (W)

STA 1106+69 LT
RESTORE GRAVEL P.E.

STA 1108+15 LT
RESTORE GRAVEL P.E.

END CONSTRUCTION
STA 9+65 'EW'
PAVE ASPHALT APRON
(SEE CONSTRUCTION DETAIL)

RIGHT-OF-WAY

STA 1111+23 LT
REPLACE ASPHALT P.E.
SAW CUT REQ'D

STA 1112+16 LT
REPLACE ASPHALT P.E.
SAW CUT REQ'D

STA 1113+87 LT
REPLACE ASPHALT
APRON P.E.

STA 1115+44 LT
REPLACE ASPHALT
APRON P.E.

STA 1116+20 LT
REPLACE ASPHALT
APRON P.E.

BP: 8+50.00

END MILLING AND HMA PAVT/
BEGIN HMA PAVT REPLACEMENT
STA. 1116+45.46
SAW CUT REQ'D

16TH ST

SLOPE
INTERCEPT

R/W

MATCH LINE 1104+50

1106 1108 1110 N32°10'59"W 1112 STH 13 (ELLIS AVE.) 1114 MATCHLINE 1114+50 1116 1118

STA 1110+09.54 STH 13
STA 10+00.00 'EW'

STA 1110+11.79 STH 13
STA 9+99.97 'EW'

RIGHT-OF-WAY

STA 1117+37.67 STH 13
STA 10+00.00 'ST'

SLOPE
INTERCEPT

R/W

END CONSTRUCTION
STA 10+50 'EE'
PAVE ASPHALT APRON
(SEE CONSTRUCTION DETAIL)

PC: 11+26.35

EP: 11+69.18

18TH ST (E)

STA 1105+90 RT
REPLACE ASPHALT C.E.
SAW CUT REQ'D

STA 1107+40 RT
RESTORE GRAVEL P.E.

STA 1112+10 RT
REPLACE ASPHALT P.E.
SAW CUT REQ'D

STA 1114+00 RT
RESTORE GRAVEL P.E.

STA 1115+54 RT
REPLACE ASPHALT P.E.
SAW CUT REQ'D

STA 1116+40 RT
REPLACE ASPHALT
APRON P.E.

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN - STH 13 (ELLIS AVENUE)	SHEET 237	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050101_PP-STH13.DWG
LAYOUT NAME - 13_pn-05
PLOT DATE : 7/31/2024 10:10 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

STA 1115+44 LT
REPLACE ASPHALT
APRON P.E.

STA 1116+20 LT
REPLACE ASPHALT
APRON P.E.

16TH STREET

N57°40'29"E

BEGIN CONSTRUCTION
STA 9+51.95'ST'
MATCH EXISTING
SAWCUT REQ'D

CONCRETE CURB & GUTTER
30-INCH TYPE D

CONCRETE CURB & GUTTER
30-INCH TYPE A

SLOPE INTERCEPT

RIGHT-OF-WAY

CONCRETE CURB & GUTTER
30-INCH TYPE D

CONCRETE
CURB & GUTTER
30-INCH TYPE A

CAUTION

STA 9+70.99'ST'
END HMA PAVEMENT
BEGIN CONC. PAVEMENT

STA 1116+54.96STH 13
END HMA PAVEMENT
BEGIN CONC. PAVEMENT

STA 1117+37.67 STH 13
STA 10+00.00 'ST'
(SEE INTERSECTION DETAIL)

PI STA
10+00.00

MATCH LINE 1114+50

1115

STH 13
(ELLIS AVENUE)

1116

N32°10'59"W

1117

1118

1119

1120

MATCH LINE 1120+50

CONCRETE CURB & GUTTER
18-INCH TYPE A

CONCRETE CURB & GUTTER
30-INCH TYPE A

CONCRETE MEDIAN SLOPED
NOSE TYPE 1

STA 10+26.00'ST'
END CONC. PAVEMENT
BEGIN HMA PAVEMENT

CAUTION

CONCRETE
CURB & GUTTER
30-INCH TYPE A

CONCRETE
CURB & GUTTER
30-INCH TYPE D

CONCRETE CURB & GUTTER
30-INCH TYPE A

CONCRETE CURB & GUTTER
30-INCH TYPE D

CAUTION

RIGHT-OF-WAY

SLOPE INTERCEPT

THIS LINE IS FROM PARCEL MAPPING

LEGEND

XXXXXX	SAWING ASPHALT
YYYYYY	SAWING CONCRETE
	CURB RAMP TYPE
	DRIVEWAY TYPE

STA 1115+54 RT
REPLACE ASPHALT P.E.
SAW CUT REQ'D

STA 1116+40 RT
REPLACE ASPHALT
APRON P.E.

N57°52'24"E

END CONSTRUCTION
STA 10+54.85 'ST'
MATCH EXISTING
SAWCUT REQ'D

CONTROL POINT TABLE						
PT. NO.	STATION	OFFSET	Y	X	ELEV.	DESCRIPTION
904	1118+62.77	478.49 RT	319027.58	504448.07	699.96	CP BRASS CAP BASE

END MILLING AND HMA PAVT /
BEGIN HMA PAVT REPLACEMENT
STA 1116+45.46
SAW CUT REQ'D

VCL = 200.00

K = 441.95

STA 1116+00.00
EL 701.60

STA 1116+45.46
EL 701.02

-1.28%

-0.95%

PROPOSED PROFILE

-0.50%

VPC STA 1119+40.00
VPC EL 699.07

VPI STA 1120+00.00
VPI EL 698.77

EXISTING PROFILE

VPC STA 1116+50.00
VPC EL 700.97

VPI STA 1117+50.00
VPI EL 700.02

VPT STA 1118+50.00
VPI EL 699.52

VCL = 120.00

K = 666.67

EXISTING PROFILE

PROPOSED PROFILE

703.78	703.07	702.35	701.60	701.60	701.02	700.97	700.31	700.52	699.85	700.13	699.52	699.80	699.19	699.52	698.90	699.27	698.67	699.02	698.43	698.74	698.16	698.43	

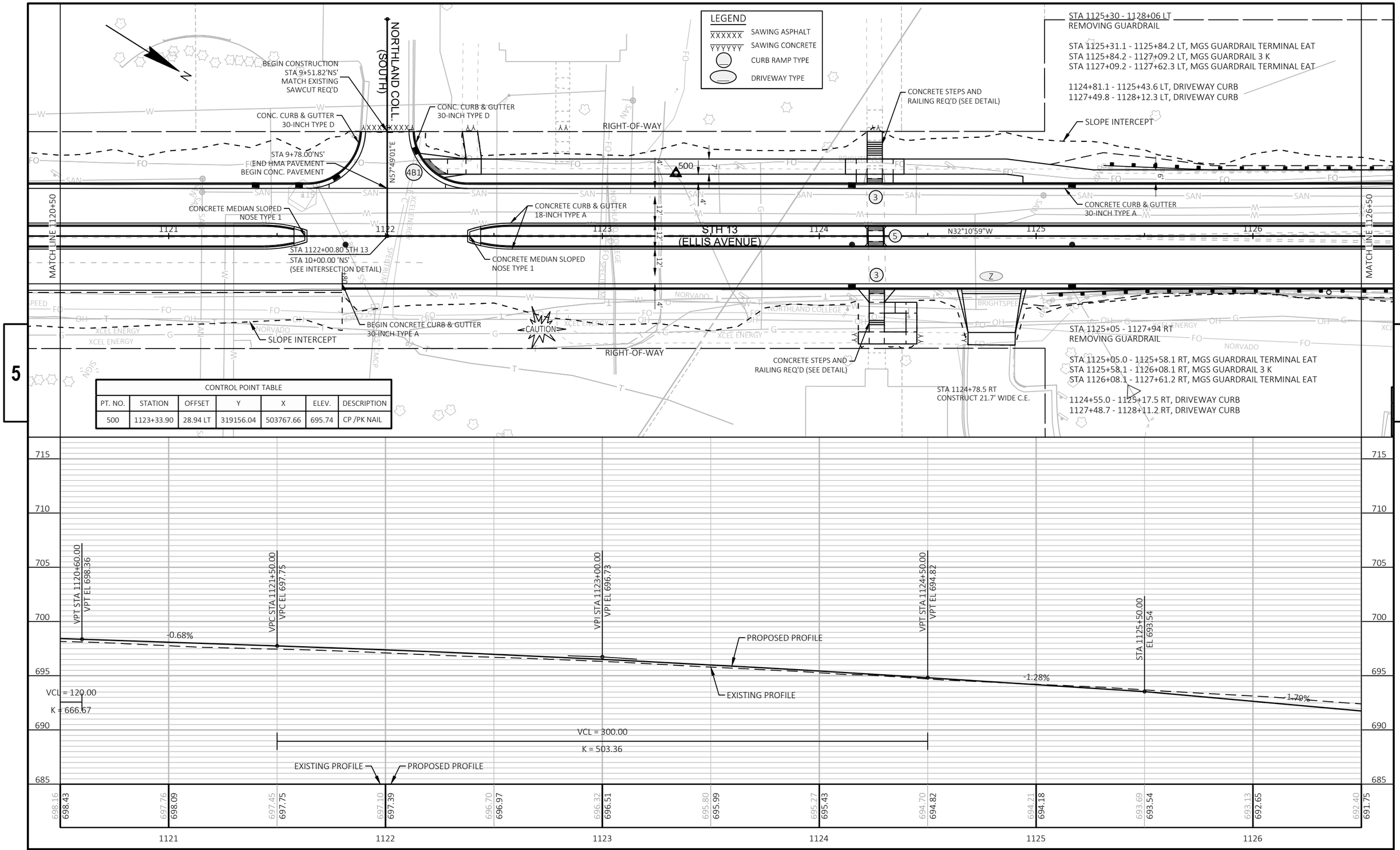
1115 1116 1117 1118 1119 1120

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: STH 13 (ELLIS AVENUE)	SHEET 238 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050102_PP-STH13.DWG
LAYOUT NAME - STH13_pp-01

PLOT DATE : 7/29/2024 11:55 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



CONTROL POINT TABLE						
PT. NO.	STATION	OFFSET	Y	X	ELEV.	DESCRIPTION
500	1123+33.90	28.94 LT	319156.04	503767.66	695.74	CP /PK NAIL

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: STH 13 (ELLIS AVENUE)	SHEET 239 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050102_PP-STH13.DWG
LAYOUT NAME - STH13_pp-02

PLOT DATE : 7/29/2024 11:55 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

STA 1128+29 LT
CONSTRUCT 28' WIDE C.E.
SAWCUT REQ'D

BEGIN CONSTRUCTION
STA 9+39.78'NE'
MATCH EXISTING

9 NORTHLAND COLL. (NORTH)

STA 9+44.71'NE'
END HMA PAVEMENT
BEGIN CONC. PAVEMENT

BEGIN CONSTRUCTION
STA 9+00.00'TW'
MATCH EXISTING
SAWCUT REQ'D

12TH STREET

CONCRETE CURB & GUTTER
30-INCH TYPE D

STA 9+48.00'TW'
END HMA PAVEMENT
BEGIN CONC. PAVEMENT

CAUTION

SLOPE INTERCEPT

RIGHT-OF-WAY

CONCRETE CURB & GUTTER
30-INCH TYPE A

CONCRETE CURB & GUTTER
18-INCH TYPE A

CONCRETE MEDIAN SLOPED
NOSE TYPE 1

STA 1132+02.98 STH 13
STA 10+00.00 'TW'
(SEE INTERSECTION DETAIL)

MATCH LINE 1126+50

MATCH LINE 1132+50

STA 1130+04.42 STH 13
STA 10+00.00 'NE'
(SEE INTERSECTION DETAIL)

STH 13
(ELLIS AVENUE)

N32°10'59"W

CONC. MEDIAN
SLOPED NOSE
TYPE 1

STA 1129+62.8 RT
CONSTRUCT 16' WIDE P.E.
SAWCUT REQ'D

STA 1130+68 RT
REMOVE DRIVEWAY

STA 10+52.03'TW'
END CONC. PAVEMENT
BEGIN HMA PAVEMENT

END CONSTRUCTION
STA 11+00.00 'TW'
MATCH EXISTING
SAWCUT REQ'D

CONTROL POINT TABLE						
PT. NO.	STATION	OFFSET	Y	X	ELEV.	DESCRIPTION
501	1130+41.04	42.84 RT	319792.77	503451.78	693.08	CP /PK NAIL

LEGEND
- XXXXXX SAWING ASPHALT
- YYYYYY SAWING CONCRETE
- CURB RAMP TYPE
- DRIVEWAY TYPE

VCL = 120.00
K = 47.13

VPC STA 1126+90.00
VPC EL 691.04

VPI STA 1127+50.00
VPI EL 689.97

LP STA 1127+74.13
LP EL 690.29

VPT STA 1128+10.00
VPT EL 690.43

STA 1129+50.00
EL 691.49

0.76%

0.42%

EXISTING PROFILE

PROPOSED PROFILE

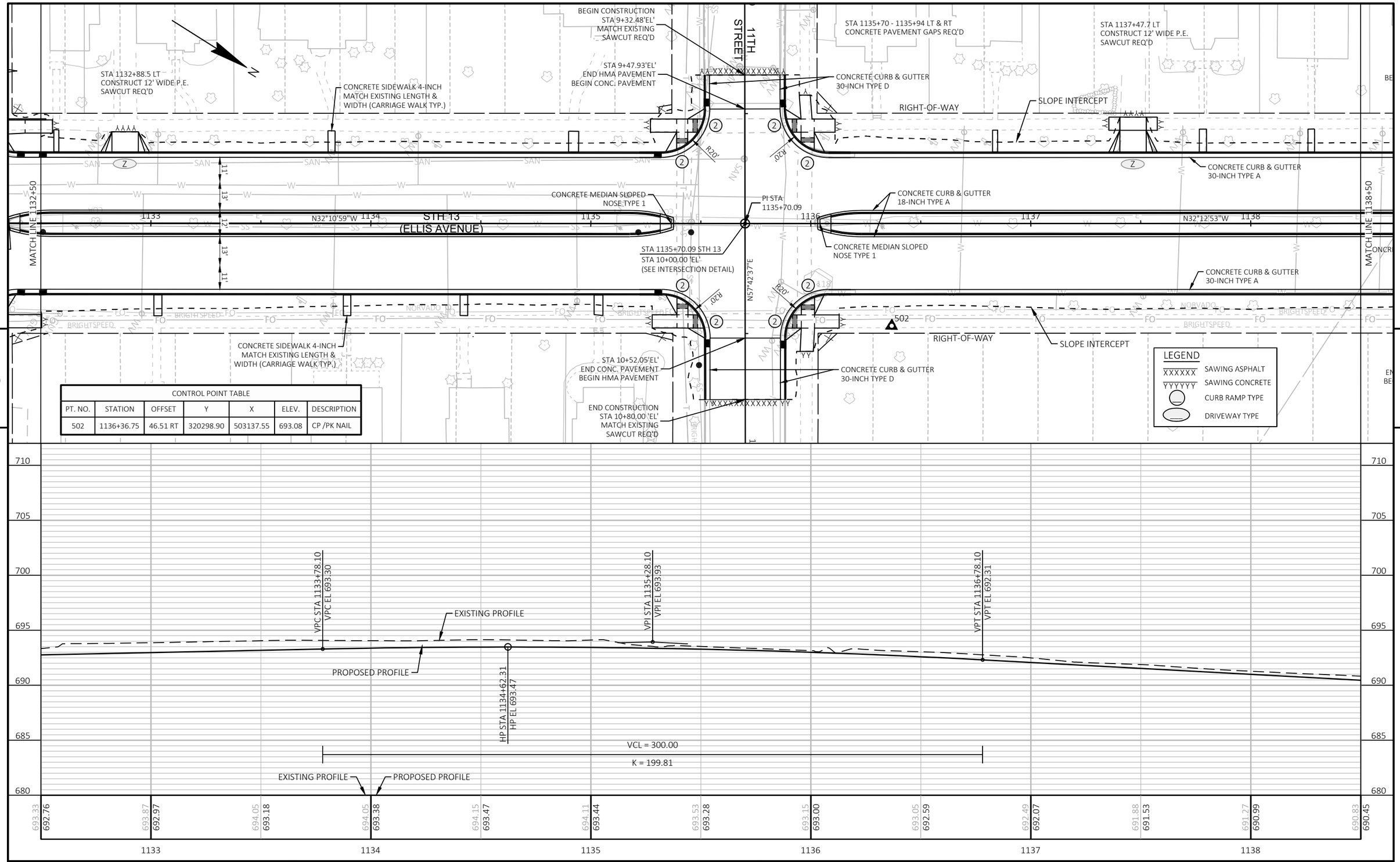
692.40	691.75	691.74	690.87	691.36	690.35	691.03	690.36	691.16	690.73	691.64	691.11	692.19	691.49	691.88	691.70	692.40	691.91	692.78	692.12	692.99	692.33	692.99	692.55	693.33	692.76
	1127		1128				1129				1130				1131				1132						

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: STH 13 (ELLIS AVENUE)	SHEET 240	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050102_PP-STH13.DWG
LAYOUT NAME - STH13_pp-03

PLOT DATE : 7/29/2024 11:56 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

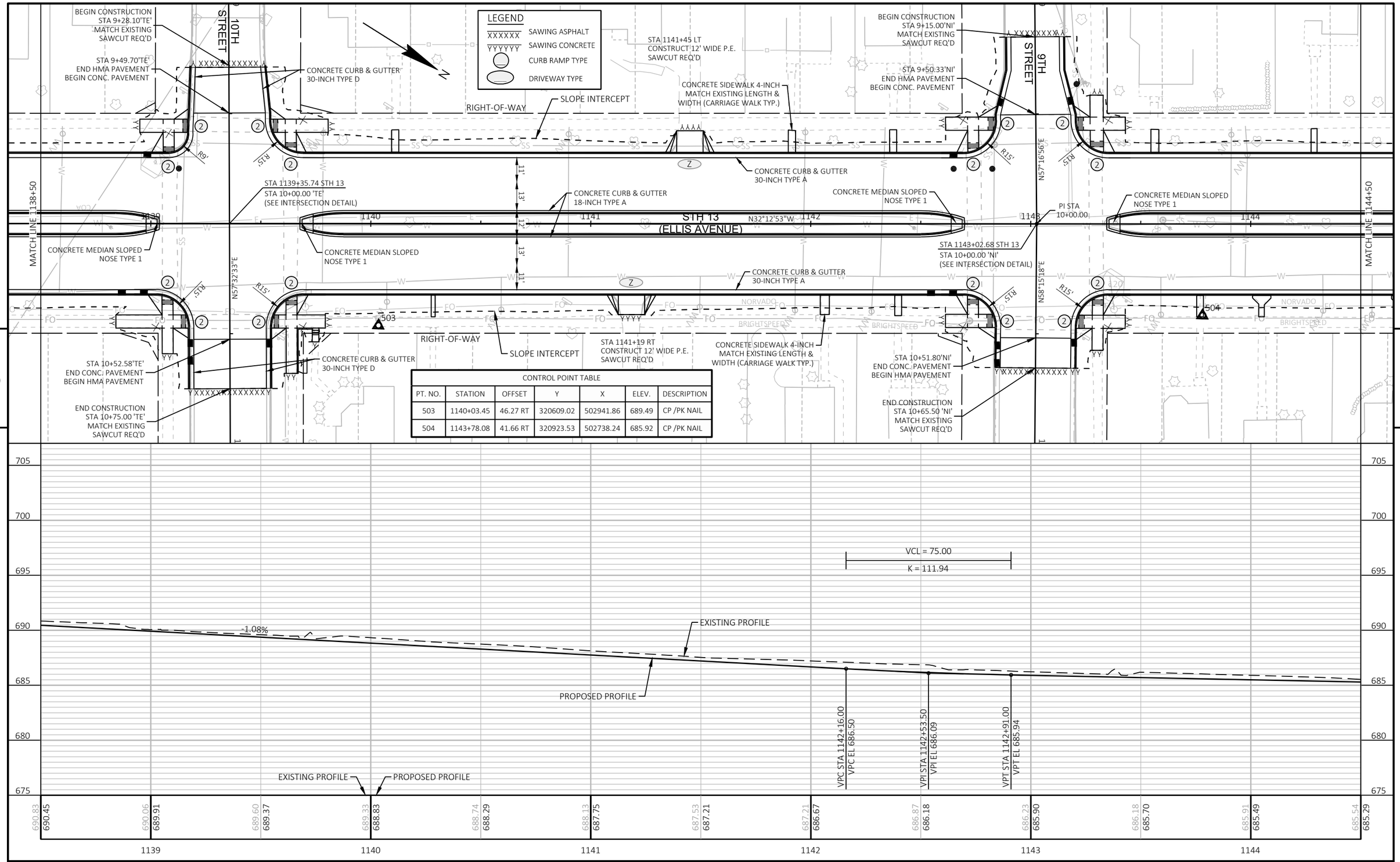
WISDOT/CADDS SHEET 44



CONTROL POINT TABLE						
PT. NO.	STATION	OFFSET	Y	X	ELEV.	DESCRIPTION
502	1136+36.75	46.51 RT	320298.90	503137.55	693.08	CP /PK NAIL

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: STH 13 (ELLIS AVENUE)	SHEET 241 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050102_PP-STH13.DWG
LAYOUT NAME - STH13_pp-04
PLOT DATE : 7/29/2024 11:56 AM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



CONTROL POINT TABLE						
PT. NO.	STATION	OFFSET	Y	X	ELEV.	DESCRIPTION
503	1140+03.45	46.27 RT	320609.02	502941.86	689.49	CP /PK NAIL
504	1143+78.08	41.66 RT	320923.53	502738.24	685.92	CP /PK NAIL

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: STH 13 (ELLIS AVENUE)	SHEET 242	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050102_PP-STH13.DWG
LAYOUT NAME - STH13_pp-05

PLOT DATE : 7/29/2024 11:56 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

BEGIN CONSTRUCTION
STA 9+28.95'EI'
MATCH EXISTING
SAWCUT REQ'D

STA 9+46.98'EI'
END HMA PAVEMENT
BEGIN CONC. PAVEMENT

8TH STREET

CONCRETE CURB & GUTTER
30-INCH TYPE D

STA 1146+68 - 1146+92 LT & RT
CONCRETE PAVEMENT GAPS REQ'D

CONCRETE SIDEWALK 4-INCH
MATCH EXISTING LENGTH &
WIDTH (CARRIAGE WALK TYP.)

SLOPE INTERCEPT

RIGHT-OF-WAY

BEGIN CONSTRUCTION
STA 9+31.22'SE'
MATCH EXISTING
SAWCUT REQ'D

CONCRETE CURB & GUTTER
30-INCH TYPE D

STA 9+47.01'SE'
END HMA PAVEMENT
BEGIN CONC. PAVEMENT

7TH STREET

MATCH LINE 1144+50

CONCRETE MEDIAN SLOPED
NOSE TYPE 1

CONCRETE CURB & GUTTER
18-INCH TYPE A

CONCRETE CURB & GUTTER
30-INCH TYPE A

STA 1150+34.44 STH 13
STA 10+00.00 'SE'
(SEE INTERSECTION DETAIL)

1145 1146 1147 1148 1149 1150

N32°12'53"W

STH 13
(ELLIS AVENUE)

11' 13' 12' 13' 11'

STA 1146+68.14 STH 13
STA 10+00.00 'EI'
(SEE INTERSECTION DETAIL)

CONCRETE MEDIAN SLOPED
NOSE TYPE 1

CONCRETE MEDIAN SLOPED
NOSE TYPE 1

N57°41'52"E

N57°50'19"E

MATCH LINE 1150+50

CONCRETE CURB & GUTTER
30-INCH TYPE A

CONCRETE SIDEWALK 4-INCH
MATCH EXISTING LENGTH &
WIDTH (CARRIAGE WALK TYP.)

SLOPE INTERCEPT

RIGHT-OF-WAY

STA 10+52.00'EI'
END CONC. PAVEMENT
BEGIN HMA PAVEMENT

CONCRETE CURB & GUTTER
30-INCH TYPE D

STA 10+51.99'SE'
END CONC. PAVEMENT
BEGIN HMA PAVEMENT

CONCRETE CURB & GUTTER
30-INCH TYPE D

END CONSTRUCTION
STA 10+74.02 'EI'
MATCH EXISTING
SAWCUT REQ'D

END CONSTRUCTION
STA 10+71.05 'SE'
MATCH EXISTING
SAWCUT REQ'D

LEGEND
- SAWING ASPHALT
- SAWING CONCRETE
- CURB RAMP TYPE
- DRIVEWAY TYPE

5

5

700
695
690
685
680
675
670

VPC STA 1147+19.00
VPC EL 684.19

VPI STA 1148+19.00
VPI EL 683.78

VPT STA 1149+19.00
VPT EL 682.81

EXISTING PROFILE

PROPOSED PROFILE

-0.41%

-0.96%

VCL = 200.00

K = 360.36

EXISTING PROFILE

PROPOSED PROFILE

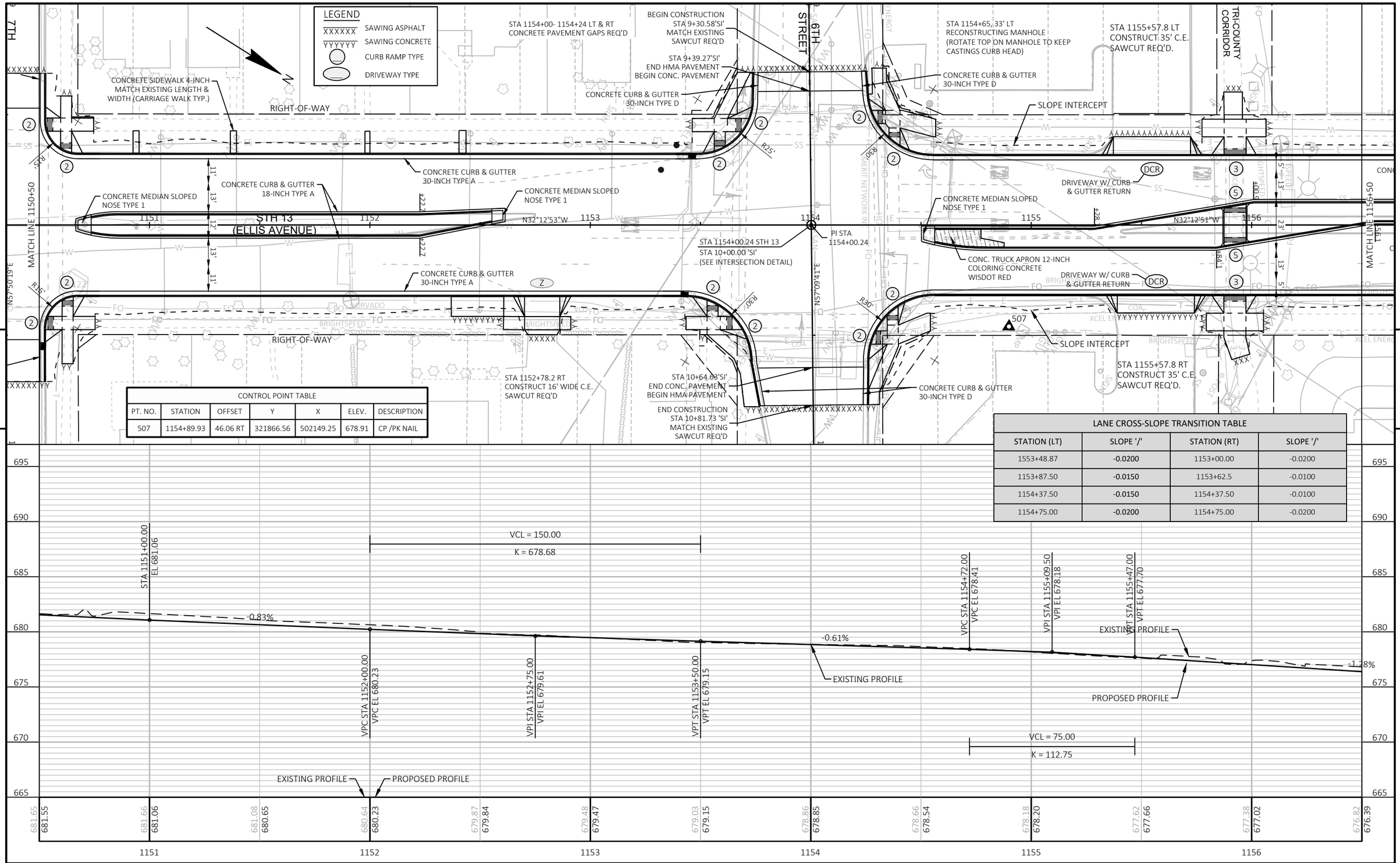
685.54	685.29	685.11	685.08	685.13	684.88	684.97	684.67	684.61	684.47	684.65	684.26
684.46	684.04	684.13	683.76	683.79	683.41	683.41	682.99	683.01	682.51	682.23	682.03	681.65	681.55

1145 1146 1147 1148 1149 1150

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: STH 13 (ELLIS AVENUE)	SHEET 243 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050102_PP-STH13.DWG
LAYOUT NAME - STH13_pp-06

PLOT DATE : 7/29/2024 11:57 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT



CONTROL POINT TABLE						
PT. NO.	STATION	OFFSET	Y	X	ELEV.	DESCRIPTION
507	1154+89.93	46.06 RT	321866.56	502149.25	678.91	CP /PK NAIL

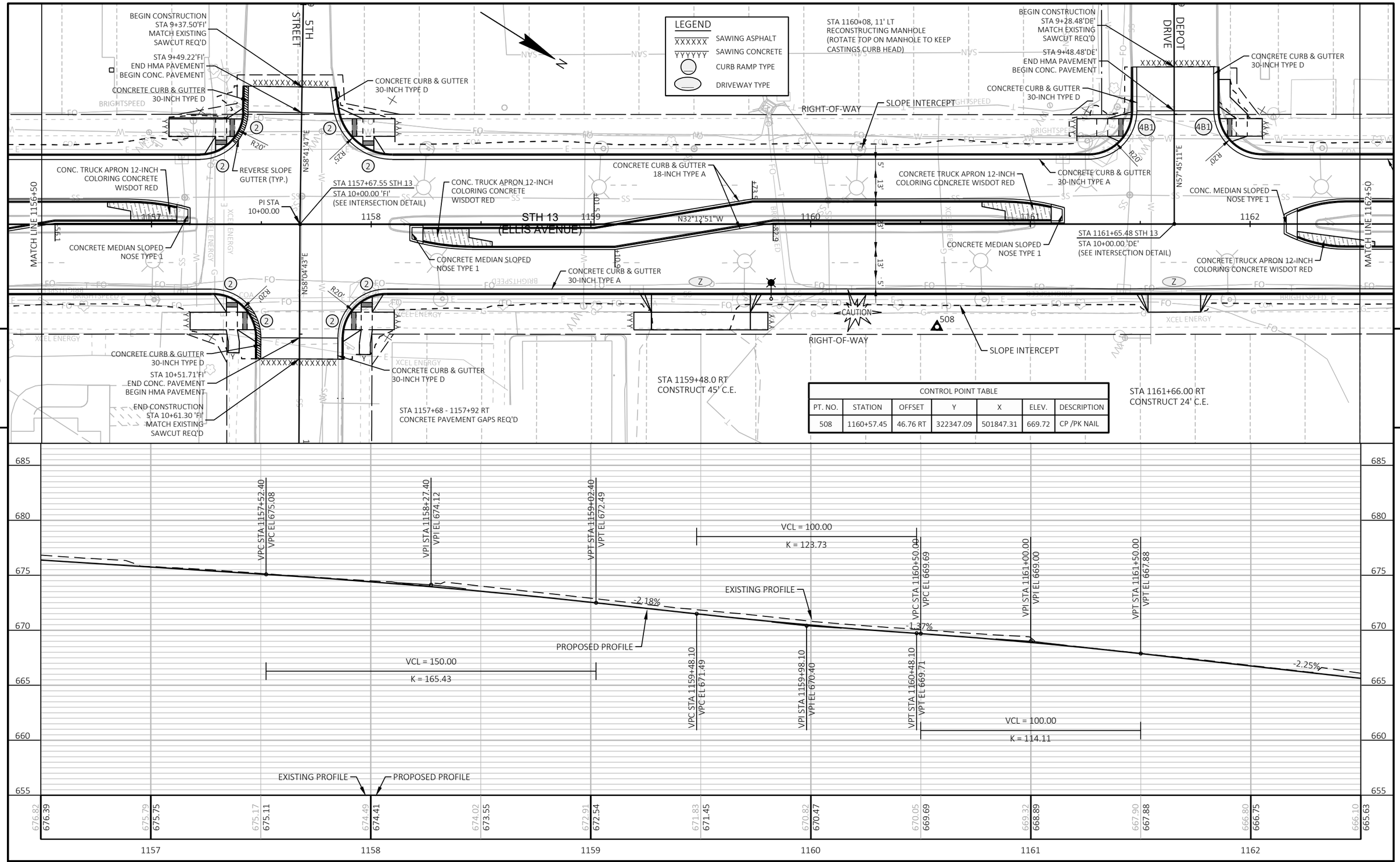
LANE CROSS-SLOPE TRANSITION TABLE			
STATION (LT)	SLOPE '/'	STATION (RT)	SLOPE '/'
1553+48.87	-0.0200	1153+00.00	-0.0200
1153+87.50	-0.0150	1153+62.5	-0.0100
1154+37.50	-0.0150	1154+37.50	-0.0100
1154+75.00	-0.0200	1154+75.00	-0.0200

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: STH 13 (ELLIS AVENUE)	SHEET 244	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050102_PP-STH13.DWG
LAYOUT NAME - STH13_pp-07

PLOT DATE : 7/29/2024 11:57 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



CONTROL POINT TABLE						
PT. NO.	STATION	OFFSET	Y	X	ELEV.	DESCRIPTION
508	1160+57.45	46.76 RT	322347.09	501847.31	669.72	CP /PK NAIL

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: STH 13 (ELLIS AVENUE)	SHEET 245 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050102_PP-STH13.DWG
LAYOUT NAME - STH13_pp-08

PLOT DATE : 7/29/2024 11:57 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

STA 1162+98.4 LT
CONSTRUCT 24' C.E.
SAWCUT REQ'D.

STA 1163+46.5 LT
CONSTRUCT 16' C.E.
SAWCUT REQ'D.

BEGIN CONSTRUCTION
STA 9+38.99'TH'
MATCH EXISTING
SAWCUT REQ'D

STA 1164+98 - 1165+22 LT & RT
CONCRETE PAVEMENT GAPS REQ'D

STA 1166+03.0 LT
CONSTRUCT 35' C.E.

STA 1167+16.9 LT
CONSTRUCT 24' C.E.
SAWCUT REQ'D.

3RD STREET

STA 1163+06, 11' LT
RECONSTRUCTING MANHOLE
(ROTATE TOP ON MANHOLE TO KEEP
CASTINGS CURB HEAD)

STA 9+48.21'TH'
END HMA PAVEMENT
BEGIN CONC. PAVEMENT

CONCRETE CURB & GUTTER
30-INCH TYPE D

CONCRETE CURB & GUTTER
30-INCH TYPE A

CONCRETE TRUCK APRON 12-INCH
COLORING CONCRETE WISDOT RED

CONCRETE MEDIAN SLOPED
NOSE TYPE 1

STA 1164+98.33 STH 13
STA 10+00.00 'TH'
(SEE INTERSECTION DETAIL)

CAUTION

N32°12'51"W

N57°23'26"E

STH 13
(ELLIS AVENUE)

RIGHT-OF-WAY

SLOPE INTERCEPT

CONCRETE CURB & GUTTER
18-INCH TYPE A

CONCRETE CURB & GUTTER
30-INCH TYPE A

MATCH LINE 1162+50

MATCH LINE 1168+50

1163 1164 1165 1166 1167 1168

5' 13' 23' 13' 5'

R20' R25'

511

STA 1163+04.1 RT
CONSTRUCT 24' C.E.

STA 1167+02.0 RT
CONSTRUCT 35' C.E.

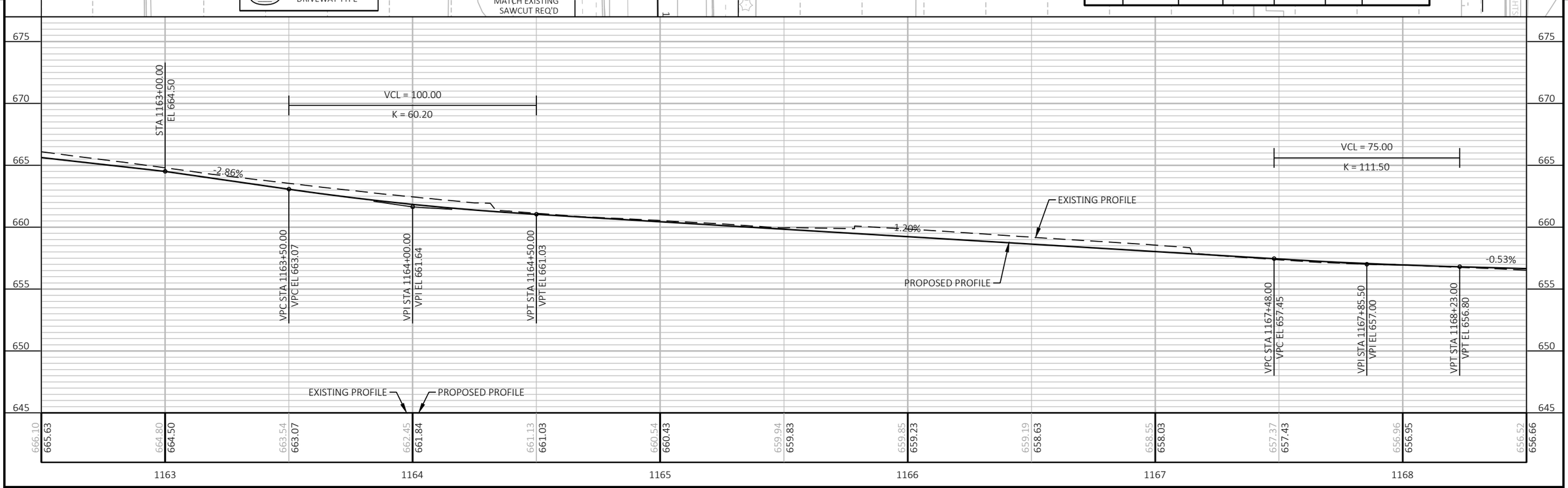
CONCRETE CURB & GUTTER
30-INCH TYPE D

STA 10+56.83'TH'
END CONC. PAVEMENT
BEGIN HMA PAVEMENT

END CONSTRUCTION
STA 10+80.00 'TH'
MATCH EXISTING
SAWCUT REQ'D

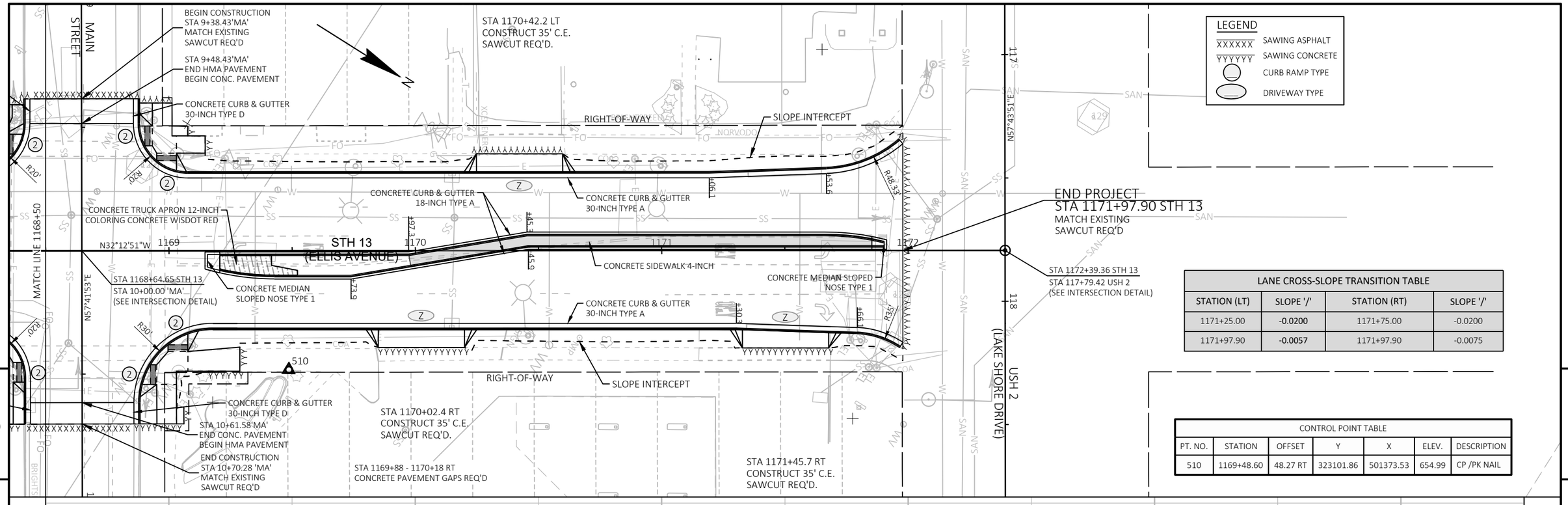
LEGEND
- XXXXXX SAWING ASPHALT
- YYYYYY SAWING CONCRETE
- CURB RAMP TYPE
- DRIVEWAY TYPE

CONTROL POINT TABLE						
PT. NO.	STATION	OFFSET	Y	X	ELEV.	DESCRIPTION
511	1165+34.54	46.51 RT	322750.60	501592.77	660.01	CP / MAG NAIL



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: STH 13 (ELLIS AVENUE)	SHEET 246	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050102_PP-STH13.DWG
LAYOUT NAME - STH13_pp-09
PLOT DATE : 7/29/2024 11:58 AM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: STH 13 (ELLIS AVENUE)	SHEET 247	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050102_PP-STH13.DWG
LAYOUT NAME - STH13_pp-10
PLOT DATE : 7/29/2024 11:58 AM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

STA 10+47.5
1 - REMOVING SMALL PIPE CULVERTS

SLOPE INTERCEPT

STA 1117+37.67 STH 13
STA 10+00.00 'ST'
(SEE INTERSECTION DETAIL)

BP: 8+50.00

CAUTION

STA 9+70.99'ST'
END HMA PAVEMENT
BEGIN CONC. PAVEMENT

16TH STREET

N57°40'29"E

PI STA
10+00.00

STH 13
(ELLIS AVENUE)

CAUTION

BEGIN CONSTRUCTION
STA 9+51.95'ST'
MATCH EXISTING
SAWCUT REQ'D

RIGHT-OF-WAY

CAUTION

SLOPE INTERCEPT

STA 10+26.00'ST'
END CONC. PAVEMENT
BEGIN HMA PAVEMENT

CAUTION

PC: 11+26.35

EP: 11+69.18

N57°52'24"E

RIGHT-OF-WAY

END CONSTRUCTION
STA 10+54.85 'ST'
MATCH EXISTING
SAWCUT REQ'D

XXXXXXX YYYYYYY XXXXXX

CONCRETE

CONTROL POINT TABLE						
PT. NO.	STATION	OFFSET	Y	X	ELEV.	DESCRIPTION
904	1118+62.77	478.49	319027.58	504448.07	699.96	CP BRASS CAP BASE

LEGEND

XXXXXX SAWING ASPHALT

YYYYYY SAWING CONCRETE

VCL = 47.83

K = 26.83

-1.35%

-2.36%

-2.30%

2.00%

-2.00%

-1.90%

-1.21%

0.57%

PROPOSED PROFILE

EXISTING PROFILE

STA 8+50.00 EL 701.63

STA 9+35.47 EL 700.47

STA 9+50.87 EL 700.11

STA 9+70.99 EL 699.64

STA 10+00.00 EL 700.22

STA 10+26.00 EL 699.70

STA 10+54.85 EL 699.16

VPC STA 10+80.62 VPC EL 698.84

VPI STA 11+04.54 VPI EL 698.55

LP STA 11+13.19 LP EL 698.65

VPT STA 11+28.45 VPT EL 698.69

STA 11+49.08 EL 698.81

EXISTING PROFILE

PROPOSED PROFILE

701.63 701.63 | 701.62 700.95 | 700.13 700.13 | 699.97 700.22 | 699.19 699.25 | 698.64 698.68

705 700 695 690

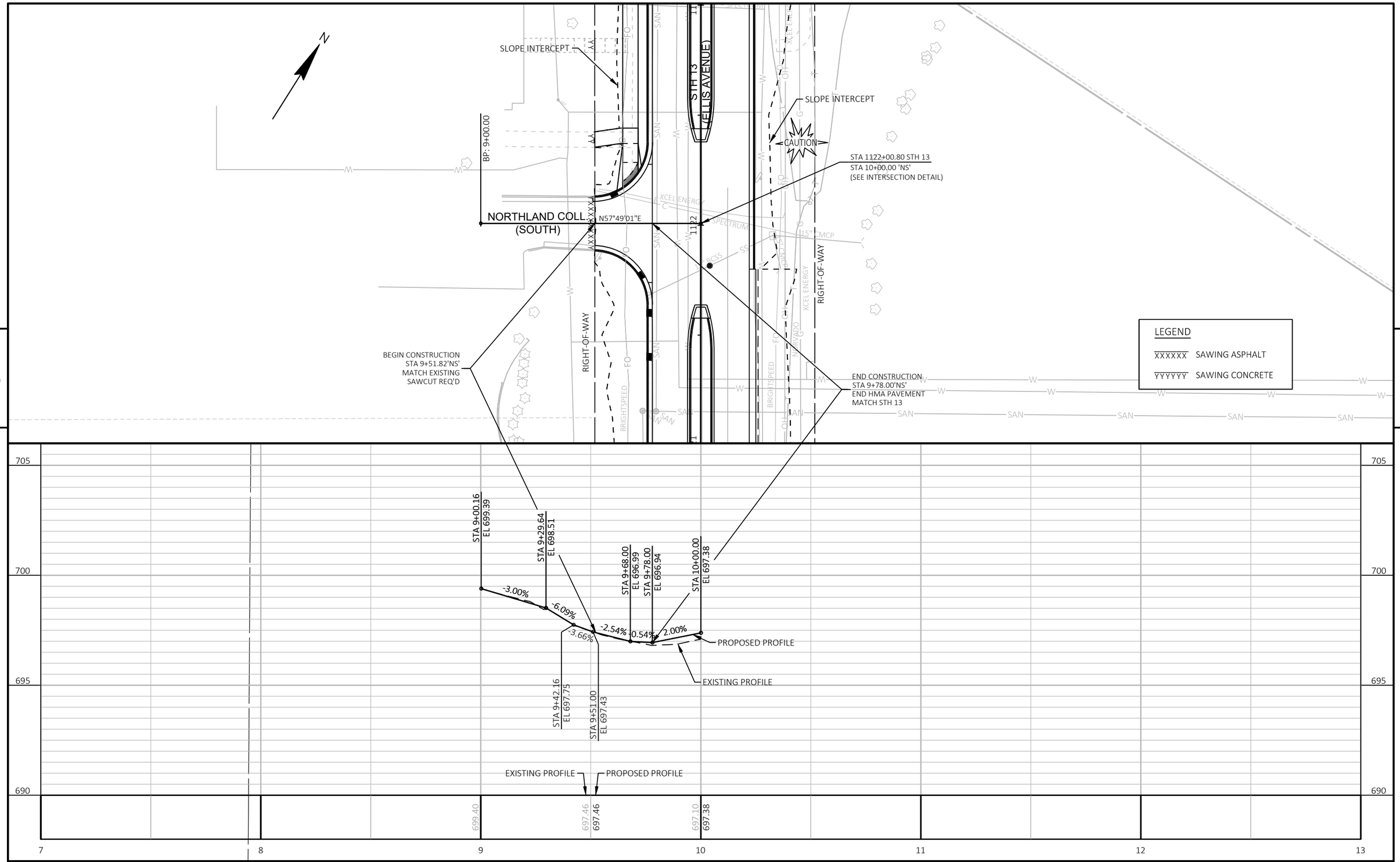
7 8 9 10 11 12 13

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: 16TH STREET	SHEET 248	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050103_PP-16THTO13TH.DWG
LAYOUT NAME - 16th_pp-01

PLOT DATE : 7/29/2024 3:21 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

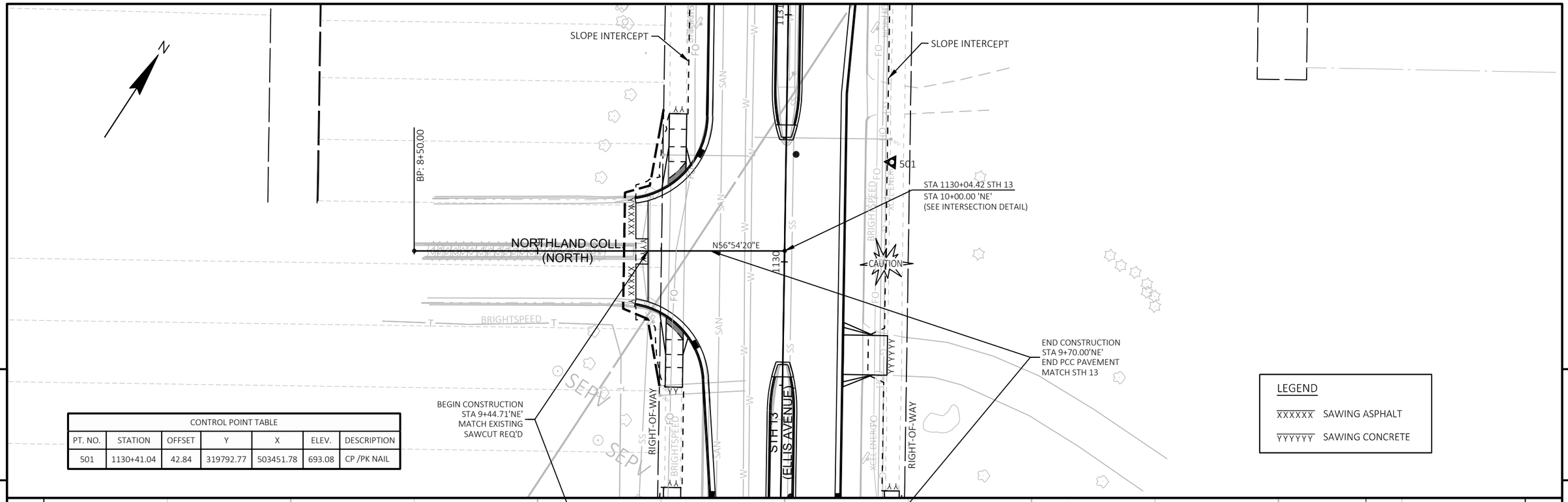
WISDOT/CADDS SHEET 44



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: NORTHLAND COLLEGE SOUTH ENTRANCE	SHEET 249	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050103_PP-16THTO13TH.DWG
LAYOUT NAME - NCS_pp-02

PLOT DATE : 7/29/2024 3:21 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT



CONTROL POINT TABLE						
PT. NO.	STATION	OFFSET	Y	X	ELEV.	DESCRIPTION
501	1130+41.04	42.84	319792.77	503451.78	693.08	CP /PK NAIL

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: NORTHLAND COLLEGE NORTH ENTRANCE	SHEET 250 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050103_PP-16THTO13TH.DWG
LAYOUT NAME - NCN_pp-03

PLOT DATE : 7/29/2024 3:21 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

SLOPE INTERCEPT

SLOPE INTERCEPT

STA 9+47.97'TW'
END HMA PAVEMENT
BEGIN CONC. PAVEMENT

BP: 8+50.00

EP: 11+00.00

CAUTION

12TH STREET

9+00

N57°45'53"E

10+00

STA 1132+02.98 STH 13
STA 10+00.00 'TW'
(SEE INTERSECTION DETAIL)

STA 10+52.03'TW'
END CONC. PAVEMENT
BEGIN HMA PAVEMENT

BEGIN CONSTRUCTION
STA 9+00.07'TW'
MATCH EXISTING
SAWCUT REQ'D

END CONSTRUCTION
STA 11+00.00'TW'
MATCH EXISTING

RIGHT-OF-WAY

STH 13
(ELLIS AVENUE)

RIGHT-OF-WAY

LEGEND

XXXXXX SAWING ASPHALT

YYYYYY SAWING CONCRETE

5

5

700

695

690

685

STA 8+50.00
EL 693.58

STA 9+00.00
EL 693.24

STA 9+45.00
EL 691.94

STA 9+70.00
EL 691.96

STA 10+00.00
EL 692.56

STA 10+30.00
EL 691.96

STA 10+52.00
EL 692.27

STA 11+00.00
EL 693.25

EXISTING PROFILE

PROPOSED PROFILE

-0.67%

-2.90%

0.07%

2.00%

-2.00%

1.42%

2.05%

EXISTING PROFILE

PROPOSED PROFILE

693.58 693.58

693.24 693.24

692.85 691.94

693.00 692.56

693.11 692.24

693.25 693.25

7 8 9 10 11 12 13

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: 12TH STREET	SHEET 251	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050104_PP-12THTO10TH.DWG
LAYOUT NAME - 12th_pp-04

PLOT DATE : 7/29/2024 4:05 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

SLOPE INTERCEPT

SLOPE INTERCEPT

STH 13
(ELLIS AVENUE)

502

STA 9+47.93'EL'
END HMA PAVEMENT
BEGIN CONC. PAVEMENT

STA 10+52.05'EL'
END CONC. PAVEMENT
BEGIN HMA PAVEMENT

BP: 8+50.00

EP: 11+50.00

1136

1135

11TH STREET

9

PI STA
1135+70.09

10

N57°42'37"E

11

STA 1135+70.09 STH 13
STA 10+00.00 'EL'
(SEE INTERSECTION DETAIL)

BEGIN CONSTRUCTION
STA 9+32.48'EL'
MATCH EXISTING
SAWCUT REQ'D

END CONSTRUCTION
STA 10+80.00 'EL'
MATCH EXISTING
SAWCUT REQ'D

RIGHT-OF-WAY

RIGHT-OF-WAY

BRIGHTSPEED

XCEL ENERGY

XCEL ENERGY

BRIGHTSPEED

CONTROL POINT TABLE						
PT. NO.	STATION	OFFSET	Y	X	ELEV.	DESCRIPTION
502	1136+36.75	46.51	320298.90	503137.55	693.08	CP /PK NAIL

LEGEND

XXXXXX SAWING ASPHALT

YYYYYY SAWING CONCRETE

STA 8+50.00
EL 693.27

STA 9+20.00
EL 692.85

STA 9+70.00
EL 692.58

STA 10+00.00
EL 693.18

STA 10+30.00
EL 692.58

STA 10+54.40
EL 692.79

STA 10+80.00
EL 693.26

STA 11+50.00
EL 692.95

EXISTING PROFILE

-0.60%

-0.54%

2.00%

-2.00%

0.85%

1.82%

-0.44%

PROPOSED PROFILE

EXISTING PROFILE

PROPOSED PROFILE

700
695
690
685

693.27 693.27
692.97 692.97
692.79 692.69
693.37 693.18
693.33 692.75
693.15 693.17
692.95 692.95

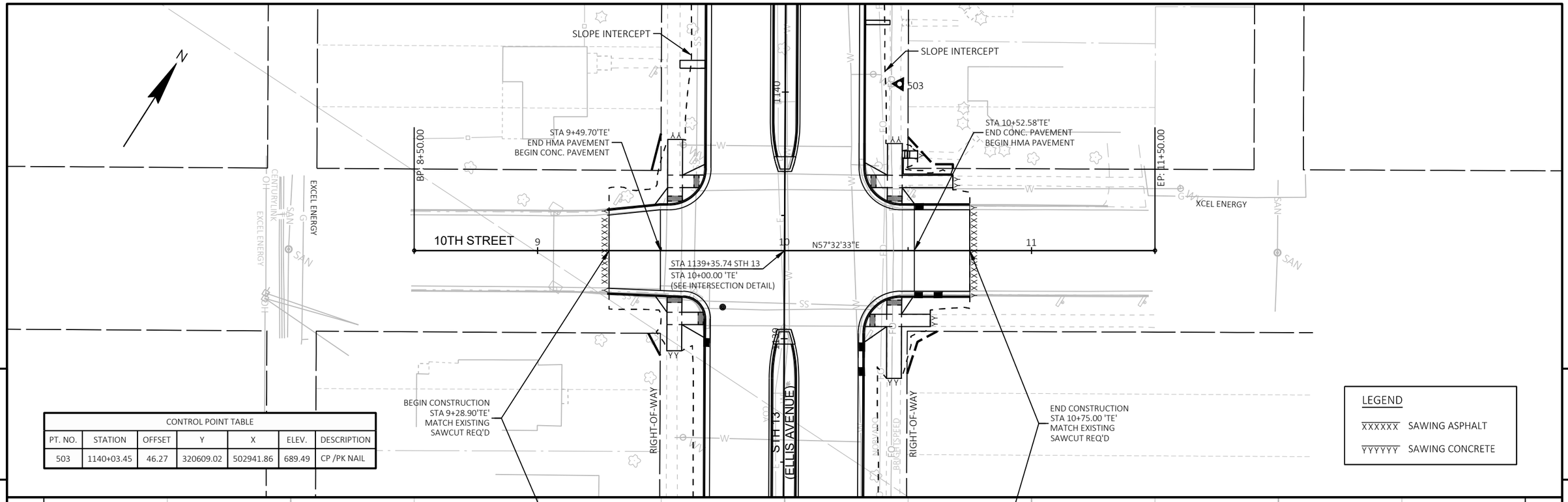
7 8 9 10 11 12 13

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: 11TH STREET	SHEET 252	E

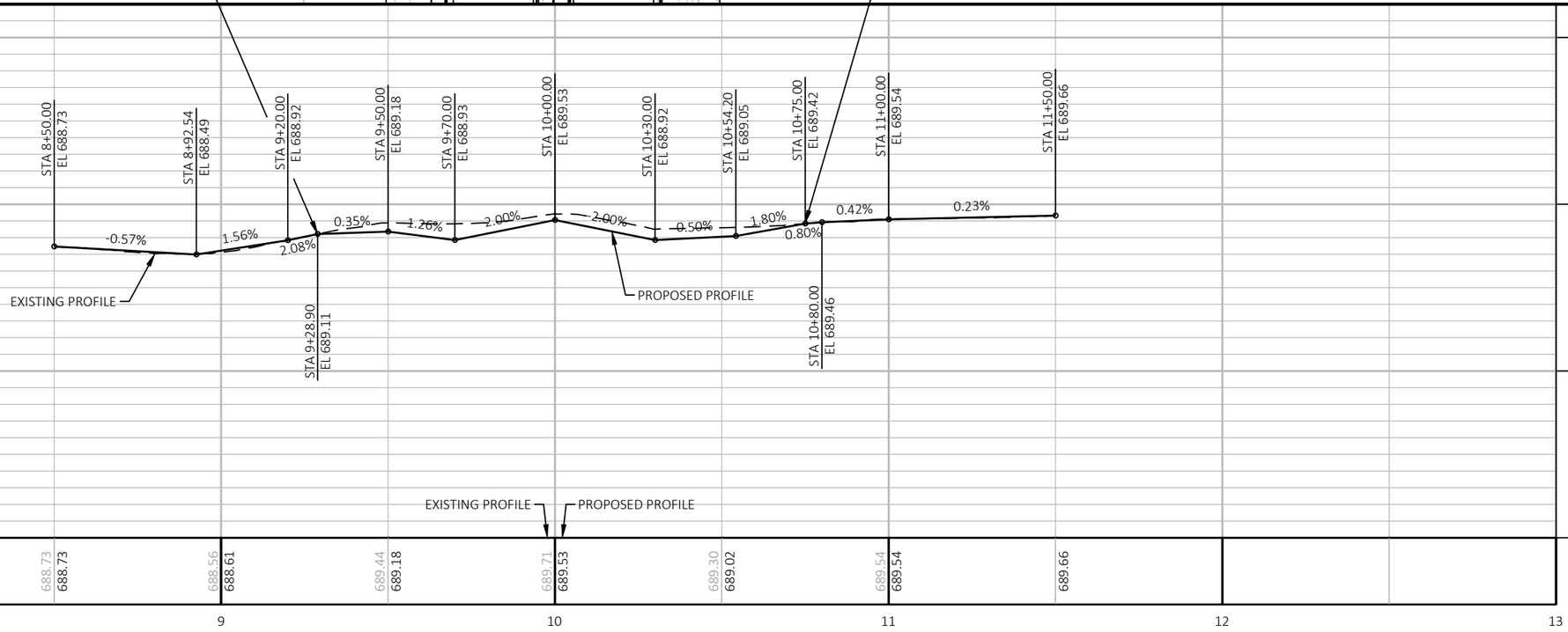
FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050104_PP-12THTO10TH.DWG
LAYOUT NAME - 11th_pp-05

PLOT DATE : 7/29/2024 4:05 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



CONTROL POINT TABLE						
PT. NO.	STATION	OFFSET	Y	X	ELEV.	DESCRIPTION
503	1140+03.45	46.27	320609.02	502941.86	689.49	CP /PK NAIL

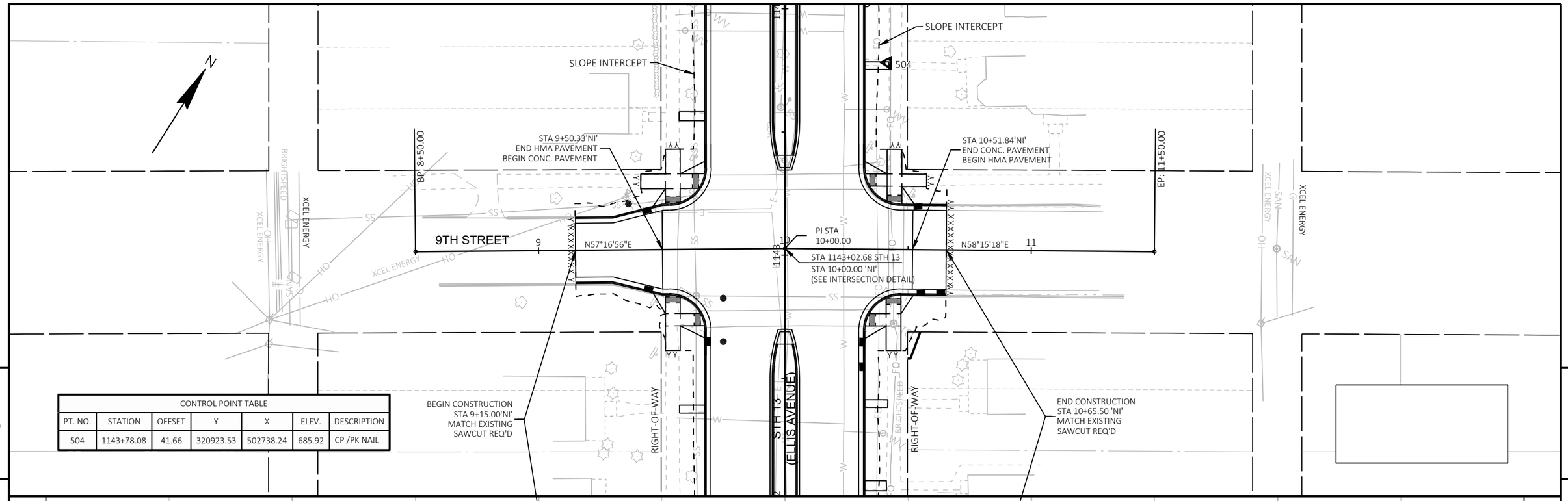


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: 10TH STREET	SHEET 253	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050104_PP-12THTO10TH.DWG
LAYOUT NAME - 10th_pp-06

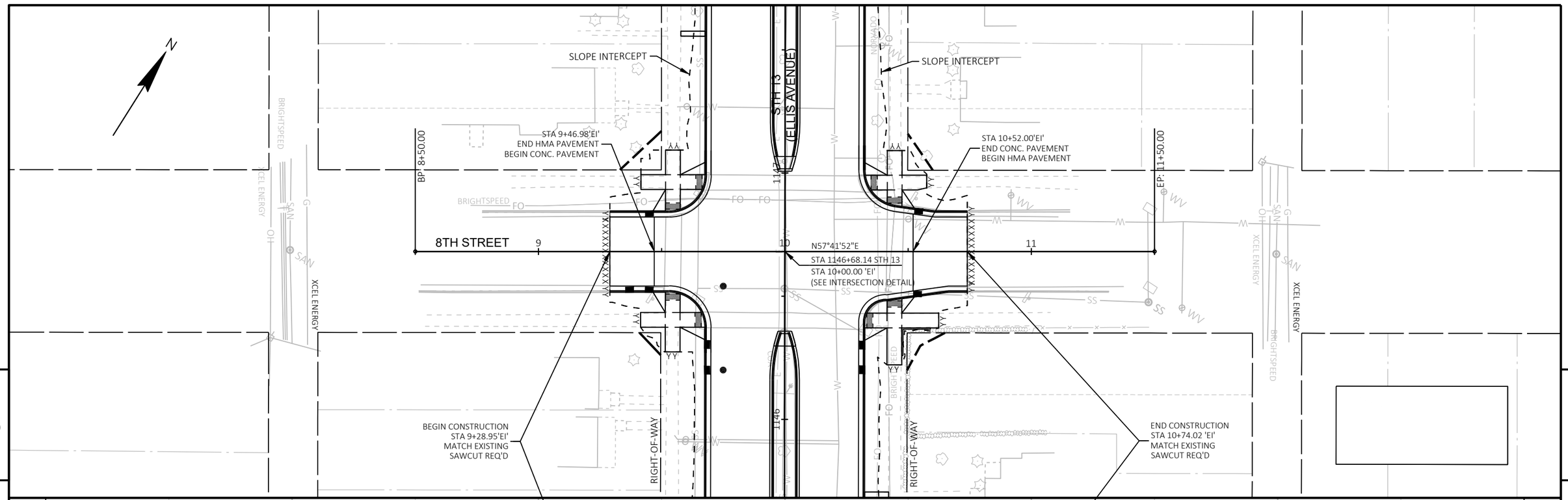
PLOT DATE : 7/29/2024 4:05 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



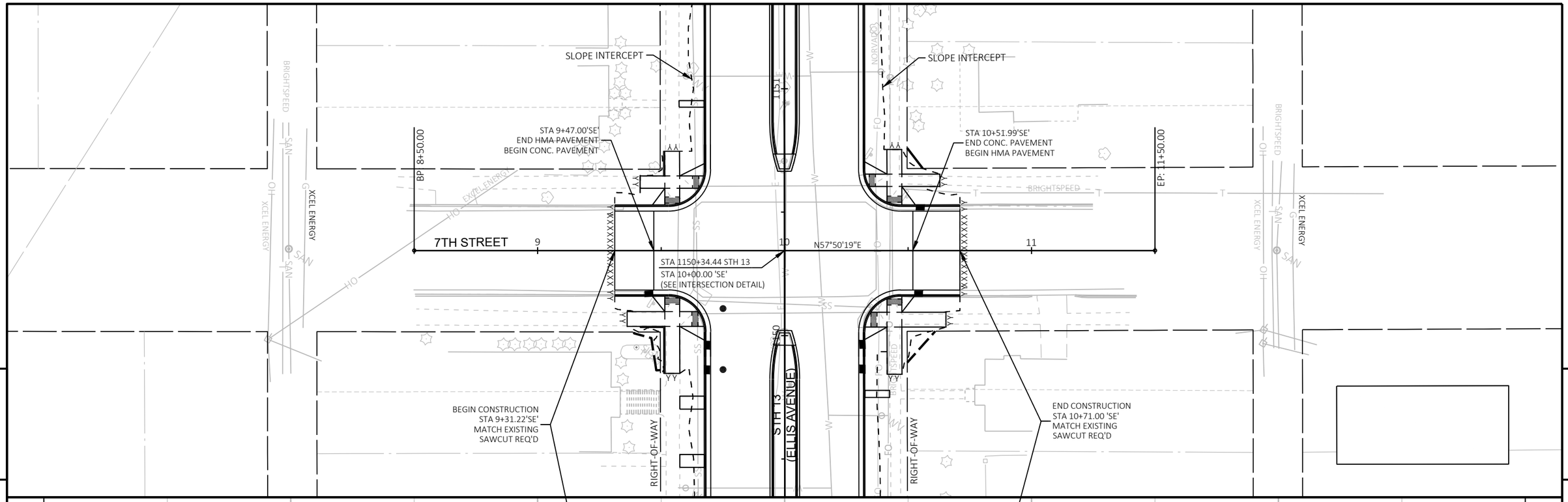
CONTROL POINT TABLE						
PT. NO.	STATION	OFFSET	Y	X	ELEV.	DESCRIPTION
504	1143+78.08	41.66	320923.53	502738.24	685.92	CP /PK NAIL

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: 9TH STREET	SHEET 254 E



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: 8TH STREET	SHEET 255	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050105_PP-9THTO7TH.DWG
LAYOUT NAME - 8th_pp-08
PLOT DATE : 7/29/2024 4:08 PM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: 7TH STREET	SHEET 256	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050105_PP-9THTO7TH.DWG
LAYOUT NAME - 7th_pp-09

PLOT DATE : 7/29/2024 4:08 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

SLOPE INTERCEPT

SLOPE INTERCEPT

STA 9+39.27'SI'
END HMA PAVEMENT
BEGIN CONC. PAVEMENT

STA 10+64.63'SI'
END CONC. PAVEMENT
BEGIN HMA PAVEMENT

BP: 8+19.50

EP: 11+99.50

6TH STREET

PI STA
1154+00.24

N57°09'41"E

STA 1154+00.24 STH 13
STA 10+00.00 'SI'
(SEE INTERSECTION DETAIL)

BEGIN CONSTRUCTION
STA 9+30.58'SI'
MATCH EXISTING
SAWCUT REQ'D

END CONSTRUCTION
STA 10+81.73 'SI'
MATCH EXISTING
SAWCUT REQ'D

RIGHT-OF-WAY

STH 13
(ELLIS AVENUE)

RIGHT-OF-WAY

LEGEND

XXXXXX SAWING ASPHALT

YYYYYY SAWING CONCRETE

CONTROL POINT TABLE						
PT. NO.	STATION	OFFSET	Y	X	ELEV.	DESCRIPTION
507	0+00.00	0.00	321866.56	502149.25	678.91	CP /PK NAIL

STA 8+64.95
EL 678.03

STA 9+38.00
EL 678.72

STA 9+70.50
EL 678.40

STA 10+00.00
EL 678.85

STA 10+29.50
EL 678.55

STA 10+62.00
EL 678.91

STA 10+81.73
EL 679.01

STA 11+56.37
EL 679.60

STA 11+99.50
EL 679.61

0.95%

-0.97%

1.50%

-1.01%

1.12%

0.50%

0.79%

0.02%

EXISTING PROFILE

PROPOSED PROFILE

EXISTING PROFILE

PROPOSED PROFILE

678.33 678.36

678.64 678.60

678.86 678.85

678.72 678.78

679.29 679.15

679.63 679.55

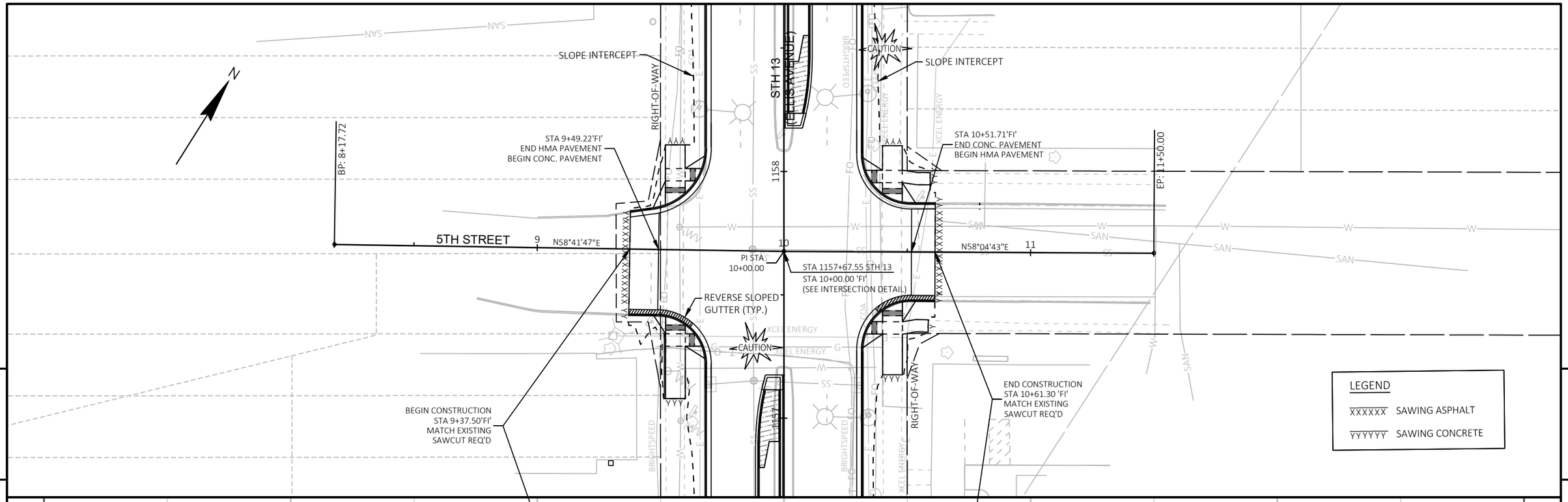
690 685 680 675

7 8 9 10 11 12 13

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: 6TH STREET	SHEET 257	E

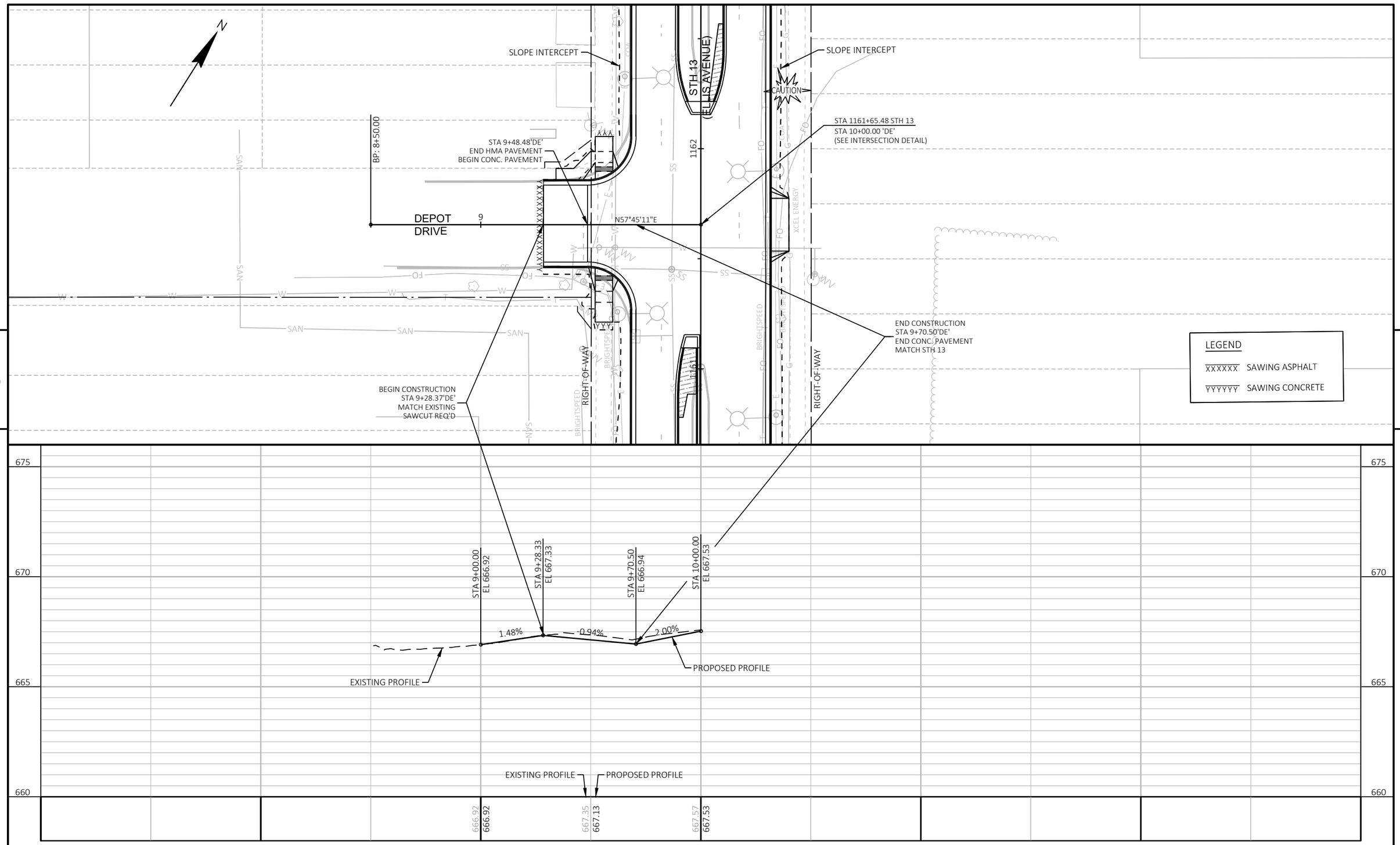
FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050106_PP-6THTO4TH.DWG
LAYOUT NAME - 6th_pp-10

PLOT DATE : 7/29/2024 5:17 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: 5TH STREET	SHEET 258	E

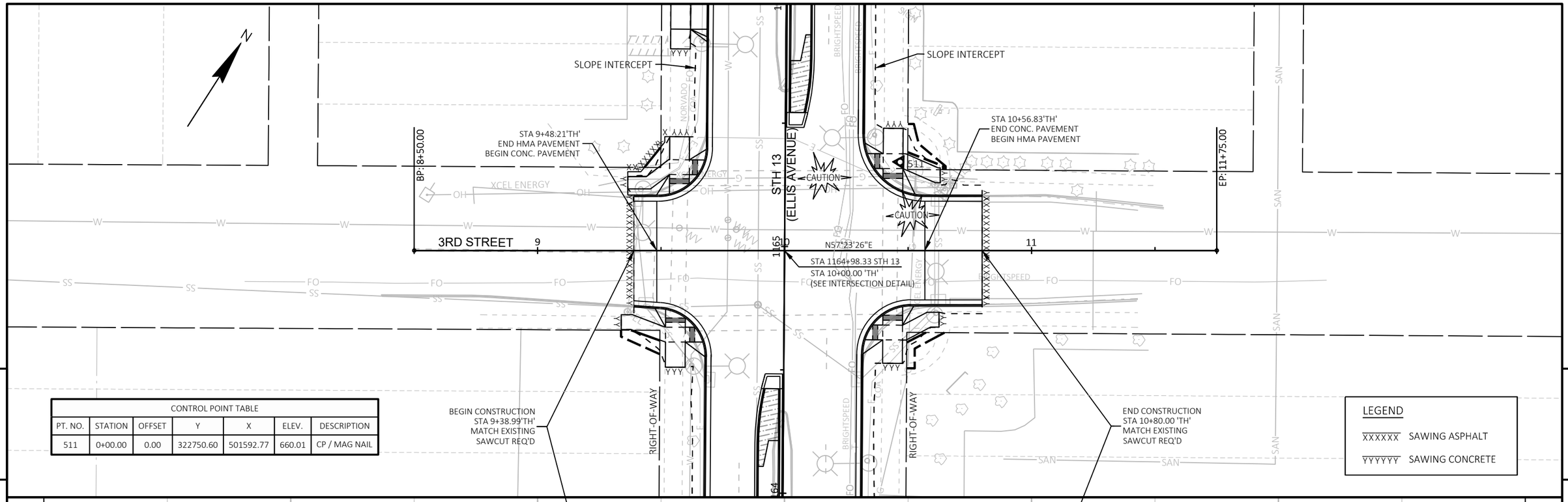
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LAYOUT NAME - 5th_pp-11
PLOT DATE : 7/29/2024 5:17 PM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



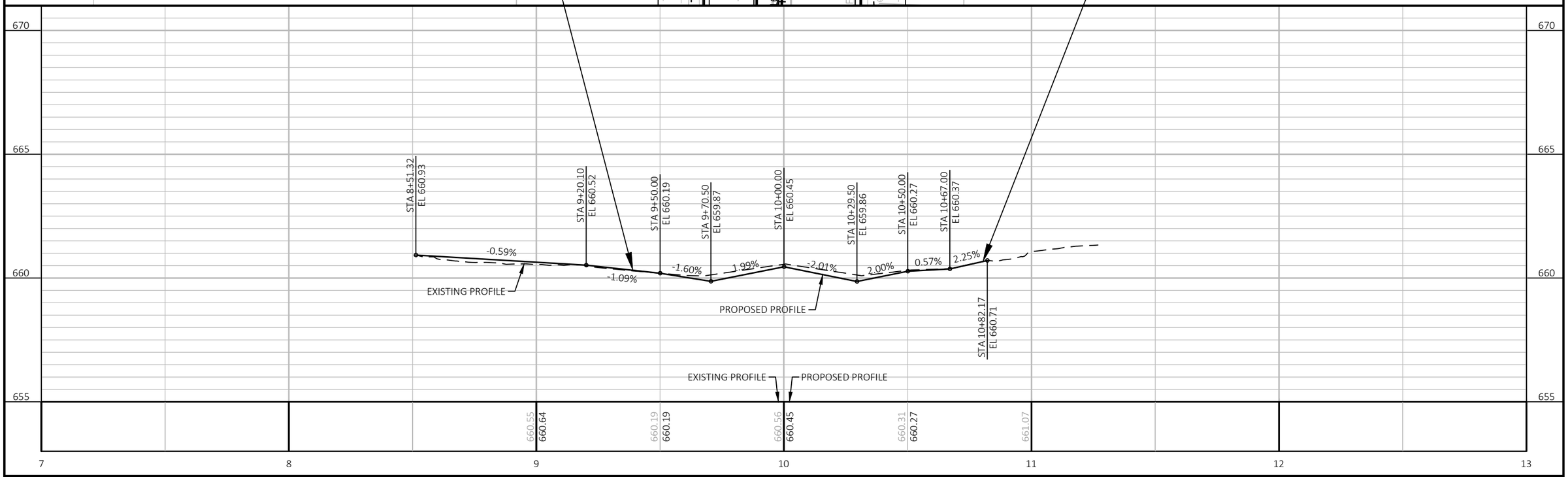
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: DEPOT DRIVE	SHEET 259	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050106_PP-6THTO4TH.DWG
LAYOUT NAME - Depot_pp-12

PLOT DATE : 7/29/2024 5:18 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

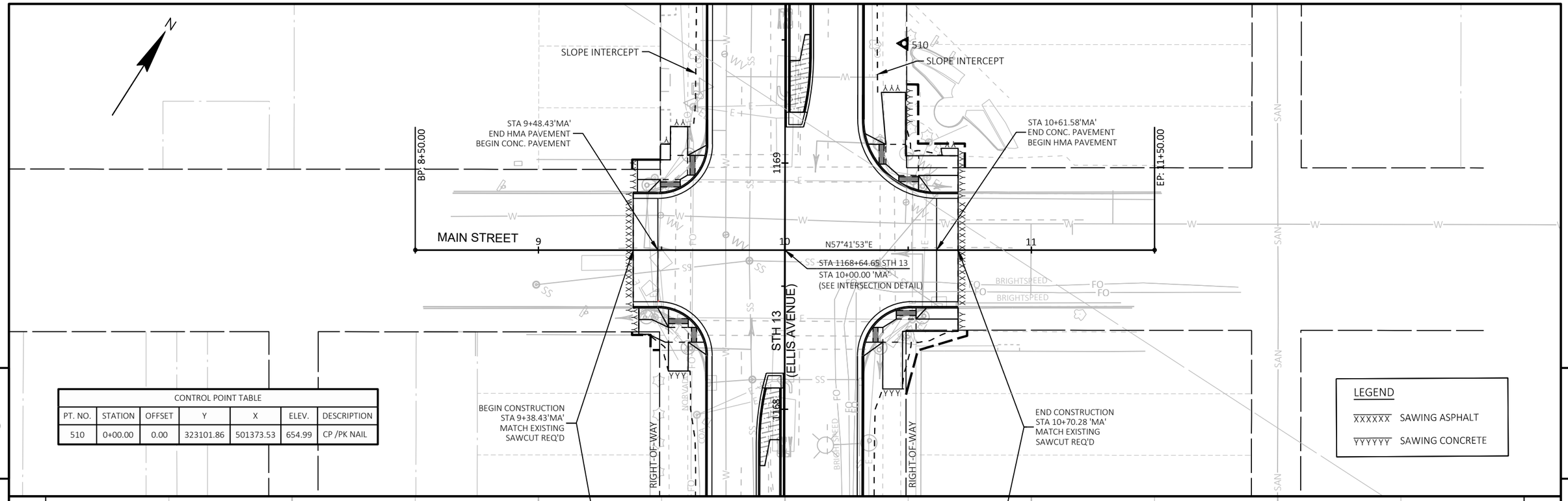


CONTROL POINT TABLE						
PT. NO.	STATION	OFFSET	Y	X	ELEV.	DESCRIPTION
511	0+00.00	0.00	322750.60	501592.77	660.01	CP / MAG NAIL



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: 3RD STREET	SHEET 260	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050107_PP-3RDTOUS2.DWG
LAYOUT NAME - 3rd_pp-13
PLOT DATE : 7/29/2024 5:40 PM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



CONTROL POINT TABLE						
PT. NO.	STATION	OFFSET	Y	X	ELEV.	DESCRIPTION
510	0+00.00	0.00	323101.86	501373.53	654.99	CP /PK NAIL

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	PLAN AND PROFILE: MAIN STREET	SHEET 261 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\050107_PP-3RDTOUS2.DWG
LAYOUT NAME - Main_pp-14

PLOT DATE : 7/29/2024 5:40 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

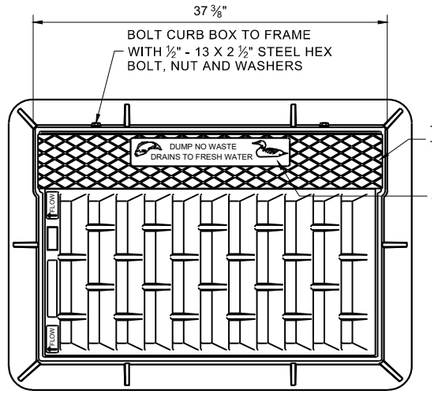
Standard Detail Drawing List

08A05-21A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-21E	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-03	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08A09-03	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-04	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-07	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-21A	CURB RAMPS TYPES 1 AND 1-A
08D05-21B	CURB RAMPS TYPES 2 AND 3
08D05-21C	CURB RAMPS TYPES 4A AND 4A1
08D05-21D	CURB RAMPS TYPE 4B AND 4B1
08D05-21E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-21F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-21G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D17-06	MANHOLES, MANHOLE & INLET COVERS
08D19-04	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
08D20-01	DRIVEWAYS WITH CURB & GUTTER RETURNS
08D22-01	DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09A01-14A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09B02-10	CONDUIT
09B16-02	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09E01-15B	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
10A05-03	ELECTRICAL DETAILS GROUND MOUNT LIGHT POLES ISOLATED NEUTRAL SYSTEMS
10A06-03	ELECTRICAL DETAILS GROUND MOUNT LIGHT POLES GROUNDED NEUTRAL SYSTEMS
10A07-03	ELECTRICAL DETAILS GROUND MOUNT LIGHT POLES PHASE-TO-PHASE SYSTEMS
11B02-02	CONCRETE MEDIAN NOSE
13A10-03A	SHOULDER RUMBLE STRIPS - ASPHALT
13A10-03G	SHOULDER AND EDGE LINE RUMBLE STRIPS - CROSSINGS, INTERSECTIONS, BRIDGES, DRIVEWAYS
13A10-03H	SHOULDER AND EDGE LINE RUMBLE STRIPS - RAILROAD, PASSING, CLIMBING AND BYPASS LANES
13A11-04A	CENTERLINE RUMBLE STRIPS - ASPHALT
13A11-04D	CENTERLINE RUMBLE STRIPS - INTERSECTIONS, DRIVEWAYS, BRIDGES, RAILROADS
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-11	URBAN DOWELED CONCRETE PAVEMENT
13C18-08A	CONCRETE PAVEMENT JOINTING
13C18-08B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-08C	CONCRETE PAVEMENT JOINT TYPES
13C18-08D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
13C19-03	HMA LONGITUDINAL JOINTS
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09F	ADVANCED WIDTH RESTRICTION SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15B	PAVEMENT MARKING WORDS

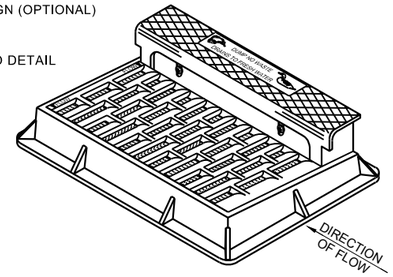
6

Standard Detail Drawing List

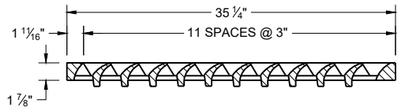
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15E	PAVEMENT MARKING FOR BIKE LANES
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C11-10A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C12-09B	TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE
15C18-08B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C19-09A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C29-08A	BICYCLE LANE MARKING
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D06-06	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
15D20-08B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-08C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-09A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D40-05A	TRAFFIC CONTROL, FULL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D45-03	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
15D46-01	TRAFFIC CONTROL, ONE - WAY SIGNING
15D48-01	TRAFFIC CONTROL, LANE SHIFT IN FLAGGING OPERATION
15D51-01	TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

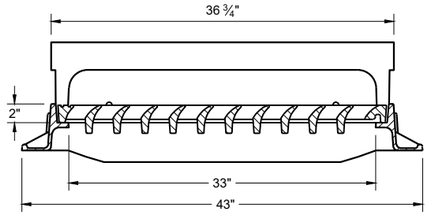


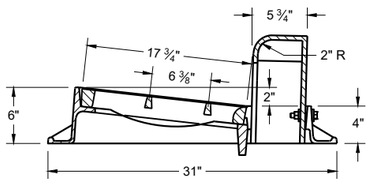
NOTE: EITHER CASTING IS ACCEPTABLE

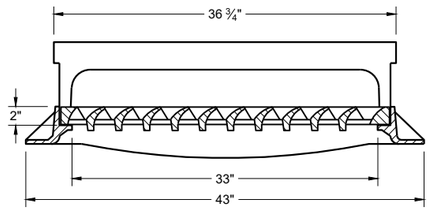


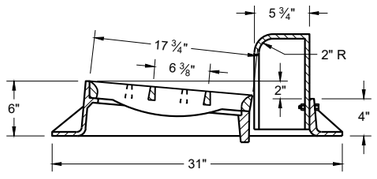
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







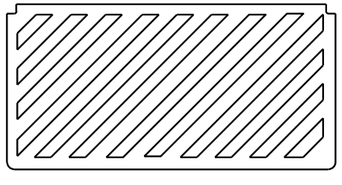




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

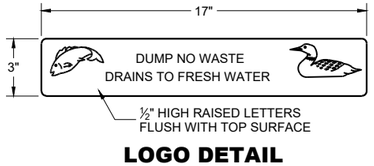
1 1/8" DIAGONAL BARS WITH 1 5/8" OPENINGS



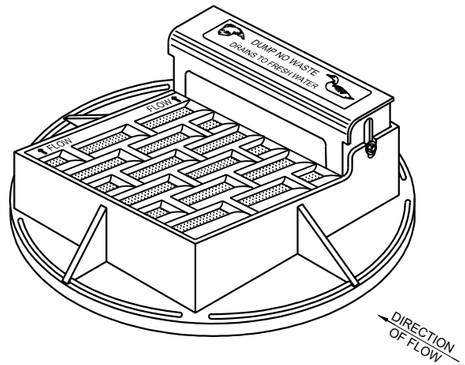
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

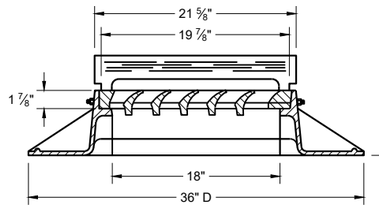


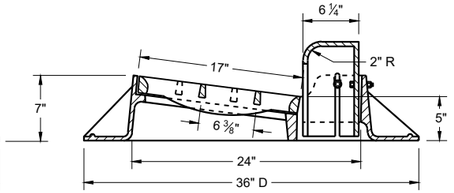
LOGO DETAIL



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE





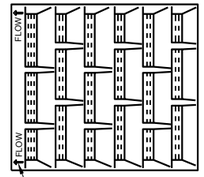
TYPE "A"

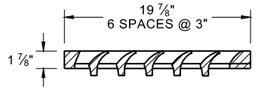
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

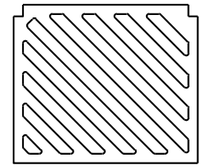
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.





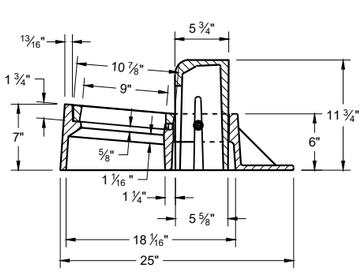
1" DIAGONAL BARS WITH 1 1/2" OPENINGS



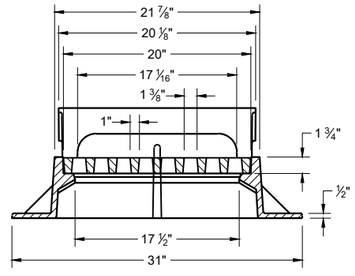
SPECIAL GRATE FOR TYPE "A" COVER

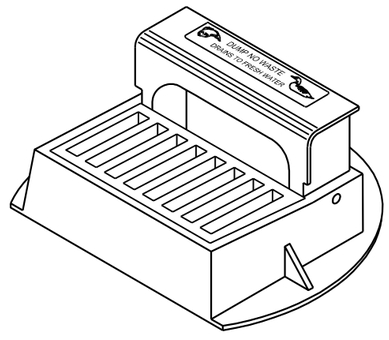
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "Z"





INLET COVERS
TYPES A, H, A-S, H-S AND Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

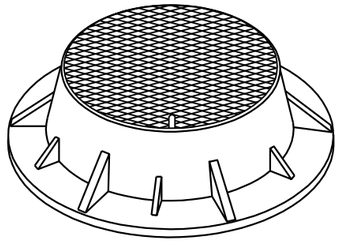
FHWA

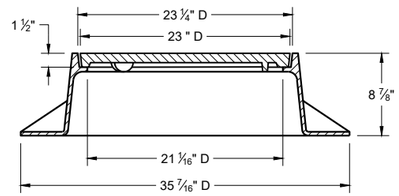
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

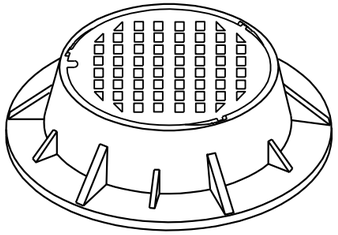
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

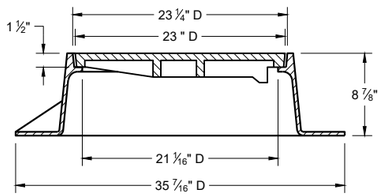




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

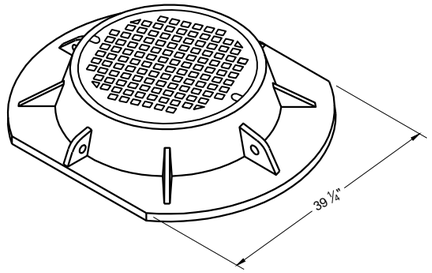


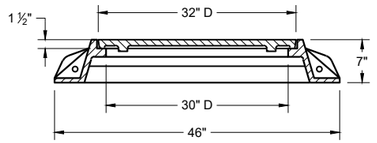


TYPE "J" SPECIAL

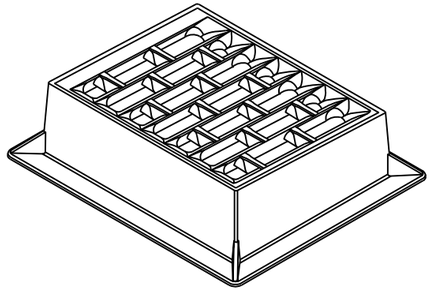
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

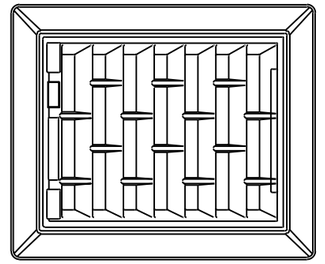
NOTE: EITHER CASTING IS ACCEPTABLE

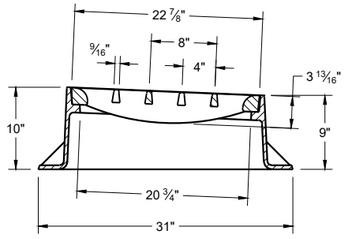


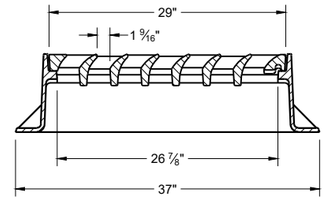


TYPE "K"

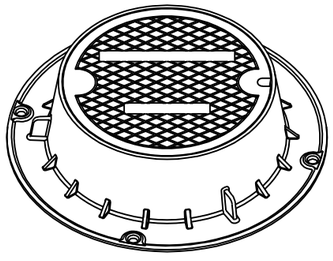


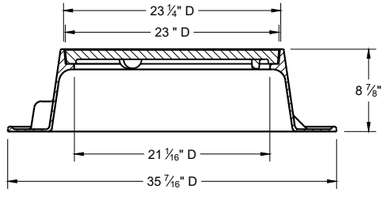






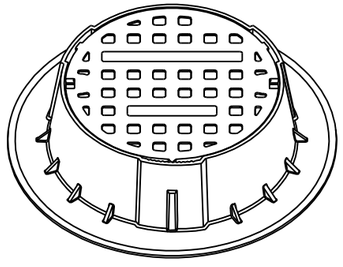
INLET COVER TYPE "BW"

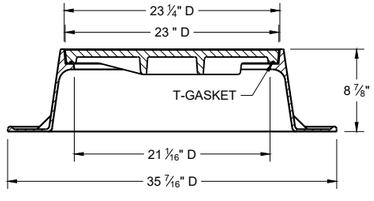




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

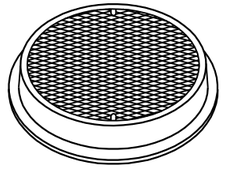


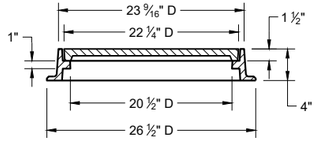


TYPE "J" SPECIAL

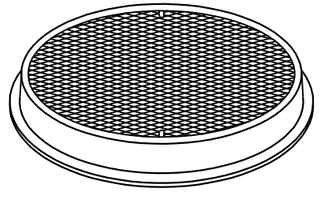
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

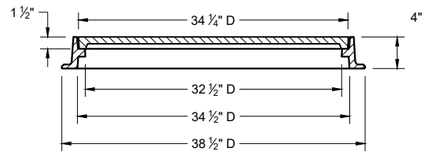
NOTE: EITHER CASTING IS ACCEPTABLE





TYPE "L"





TYPE "M"

INLET COVERS TYPES BW
MANHOLE COVERS TYPES K, J, J-S, L, AND M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

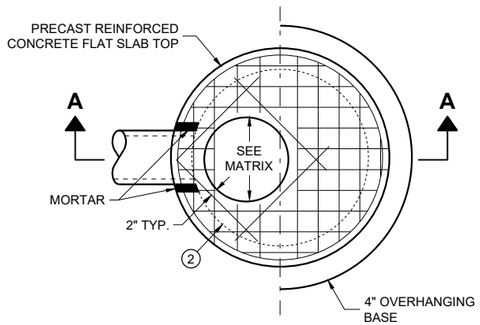
FHWA

6

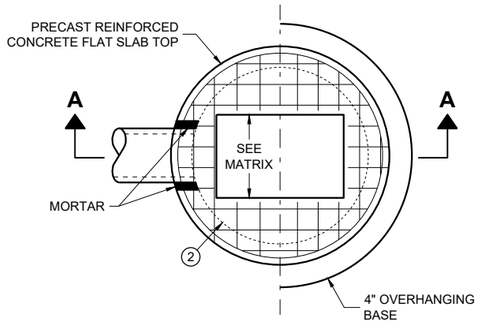
SDD 08A05-21e

6

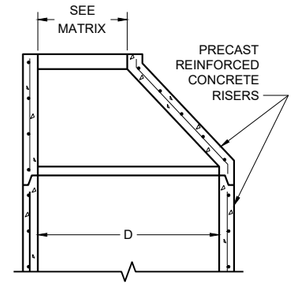
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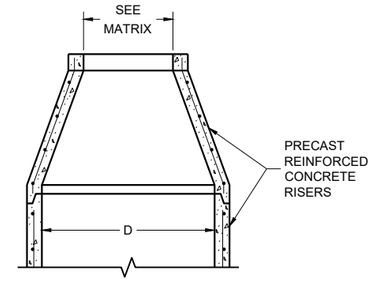
PLAN VIEW CIRCULAR OPENING



PLAN VIEW RECTANGULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

COVER MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V V-B	VV-B	WM	Z
	OPENING SIZE (FT.)												
3-FT	2 X 2	X	X					X		X			
	2 DIA.				X								X
4-FT TO 6-FT	2 X 2	X	X					X		X			
	2 X 2.5			X				X	X	X		X	
	2 DIA.				X								X
	2 X 3						X						
	2.5 X 3					X							
	2 X 3.5*										X*		

* REQUIRES 5-FT DIAMETER OR LARGER STRUCTURE

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USE ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

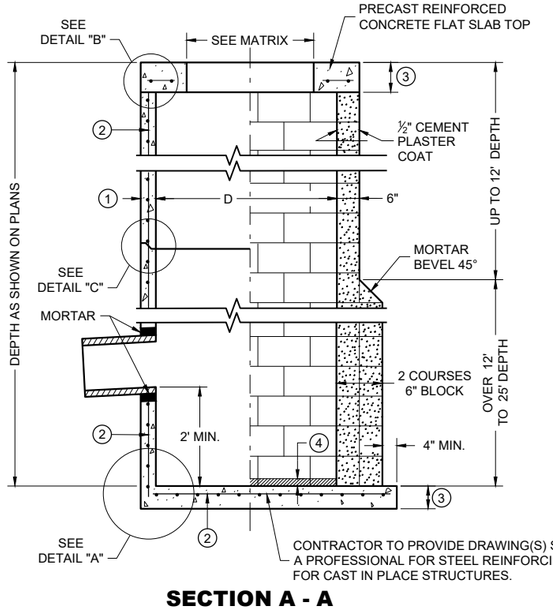
(1) MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

(2) FOR PRECAST CATCH BASINS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(3) PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

(4) 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

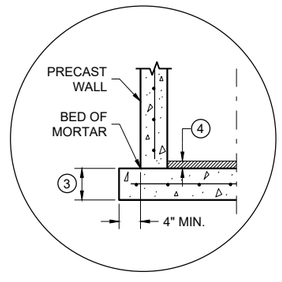
(5) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFROMING TO ASTM C443.



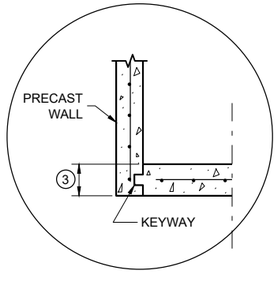
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (2)

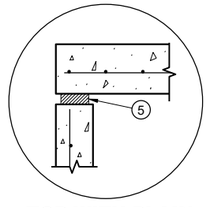


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

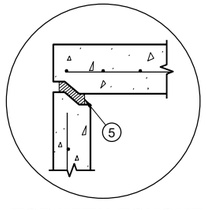


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

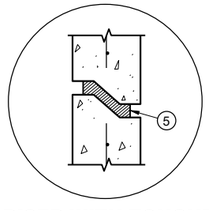
DETAIL "A"



TOP WITH PLAIN END JOINT

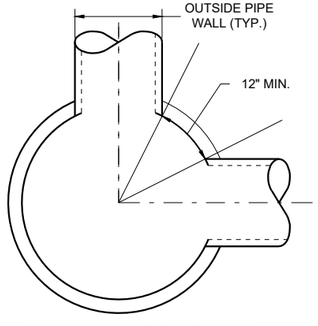


TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**



MINIMUM HORIZONTAL PIPE SEPARATION

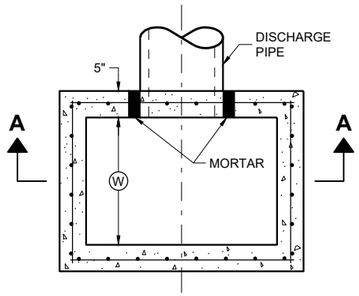
DETAIL "D"

CATCH BASINS, 3-FT. 4-FT., 5 FT., AND 6-FT. DIAMETER

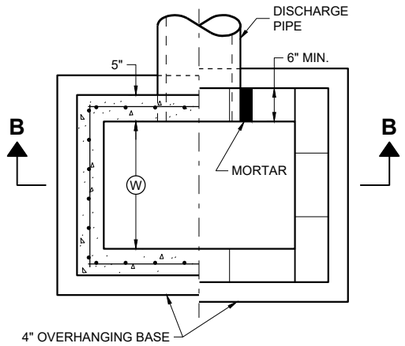
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

6
SDD 08A08-03



PLAN VIEW



PLAN VIEW

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST CATCH BASIN UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

(1) FOR PRECAST CATCH BASINS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

(2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

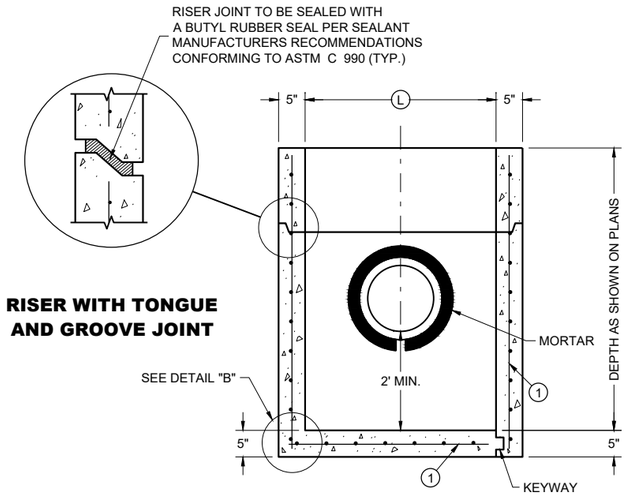
(3) 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE	
			F	ALL H'S
2 X 3-FT	2	3		X
2.5 X 3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER (IN)	
	WIDTH (W)(IN)	LENGTH (L)(IN)
2 X 3-FT	12	24
2.5 X 3-FT	18	24

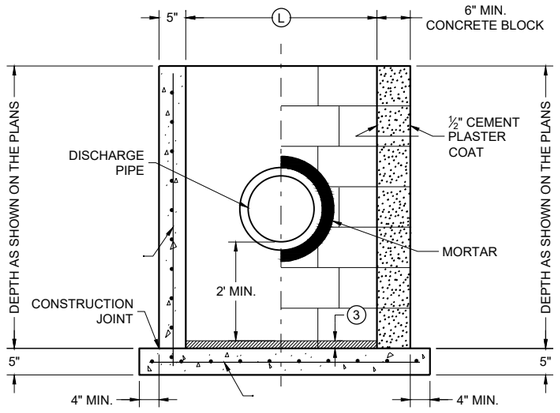


RISER WITH TONGUE AND GROOVE JOINT

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

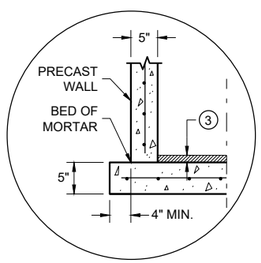
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

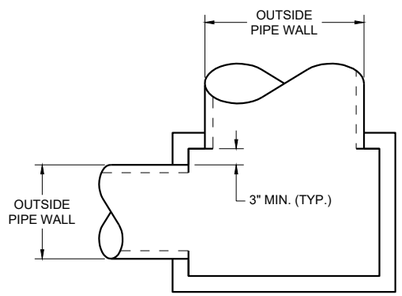
CONCRETE BLOCK ON CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

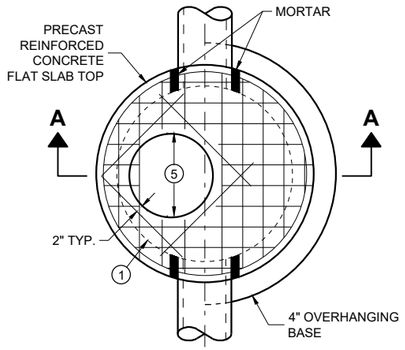
CATCH BASINS 2X3-FT AND 2.5X3-FT

CATCH BASINS
2 X 3-FT AND 2.5 X 3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

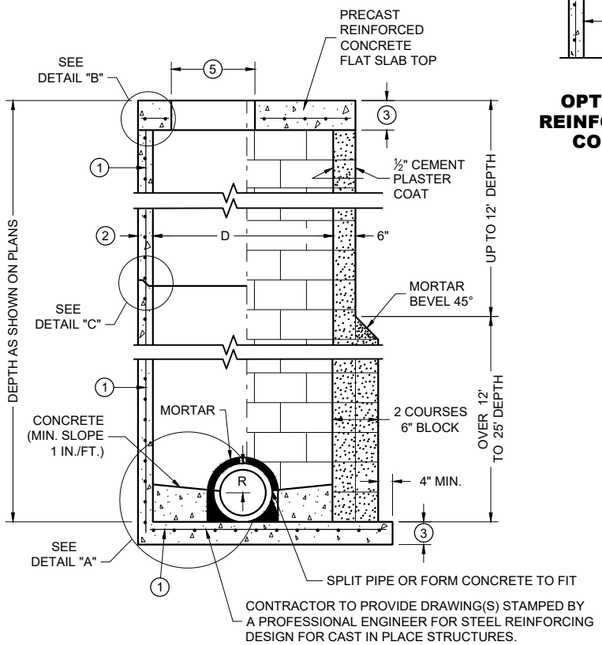
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FHWA

SDD 08A09-03



PLAN VIEW

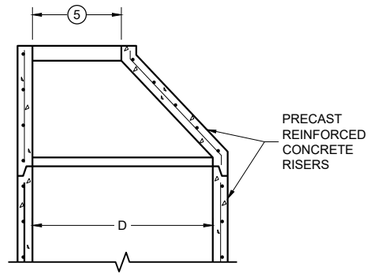
CIRCULAR OPENING



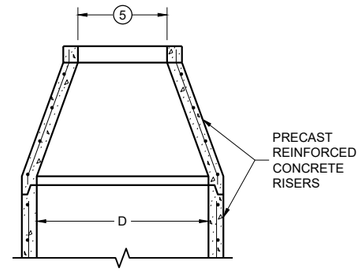
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

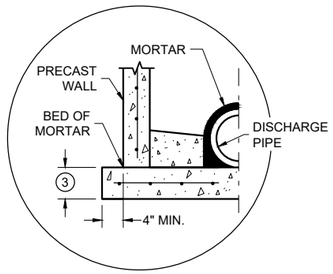
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)



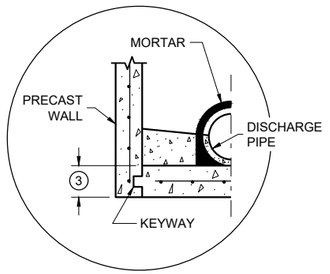
OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

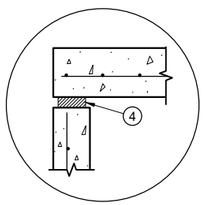


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

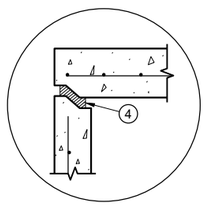


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

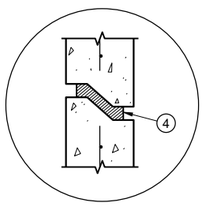
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

DETAIL "C"

MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) (5) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42 *	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES. SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL IMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

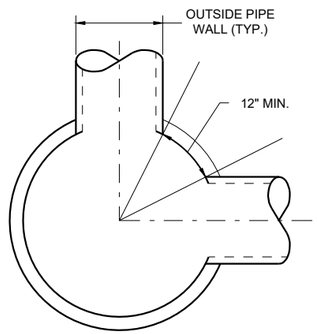
(1) FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.

(5) SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

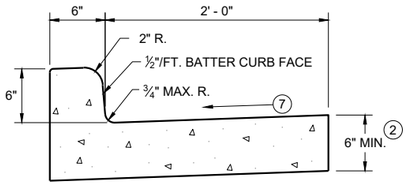
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

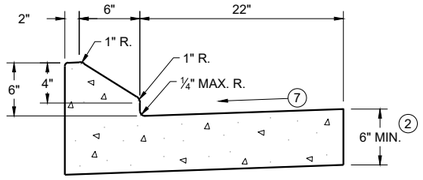
STATE OF WISCONSIN
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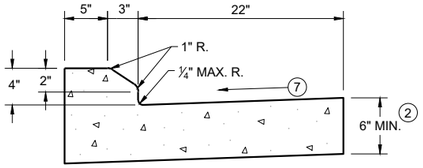
FHWA



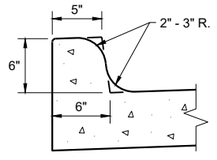
TYPES A (1) & D



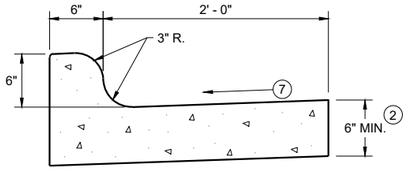
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

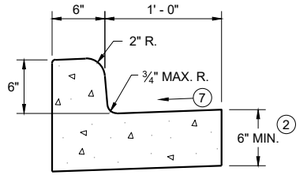


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



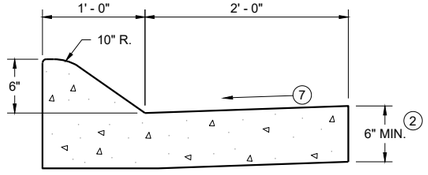
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

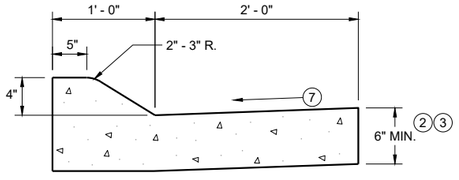


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

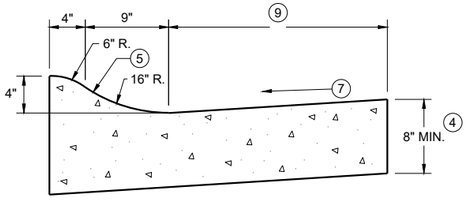


6" SLOPED CURB TYPES A (1) & D



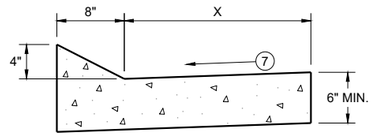
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

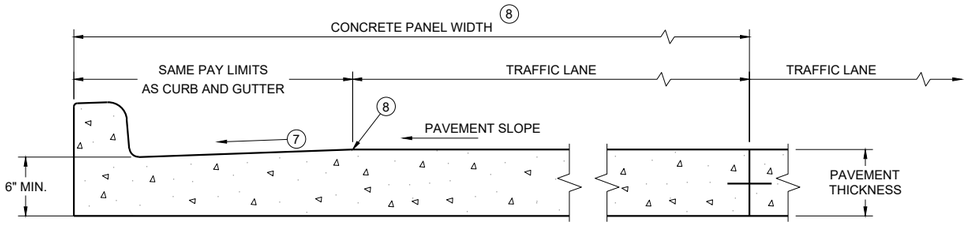


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

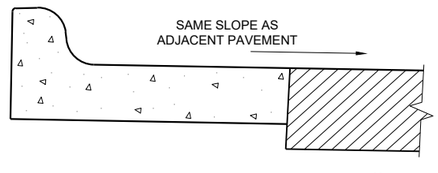
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

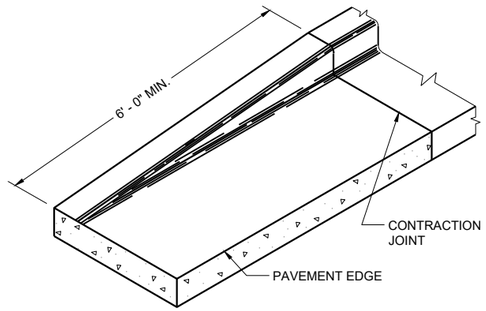
(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

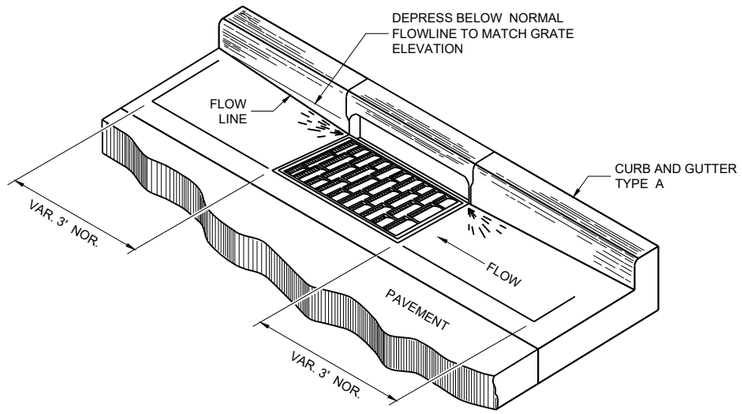
CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D01-23a



END SECTION CURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

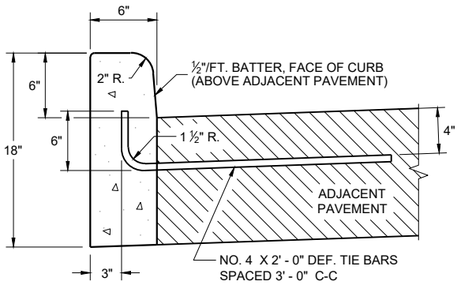
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

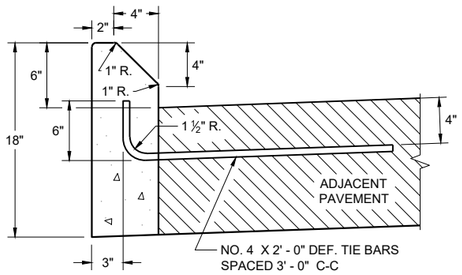
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(10) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

(11) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.

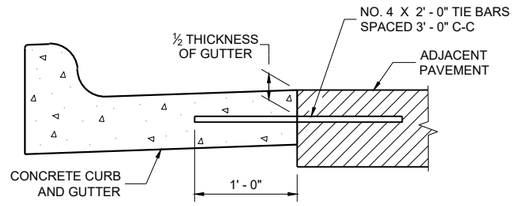


TYPES A (1) & D

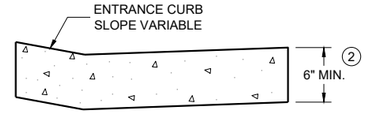


TYPES G (1) & J

CONCRETE CURB

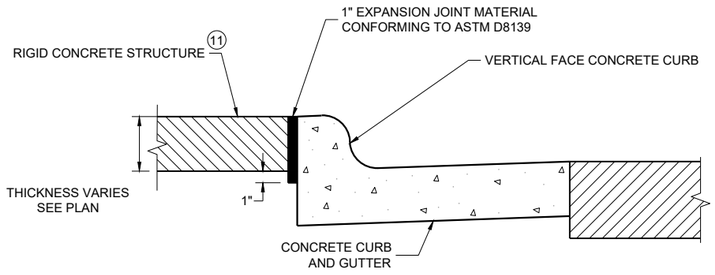


TYPICAL TIE BAR LOCATION (1)

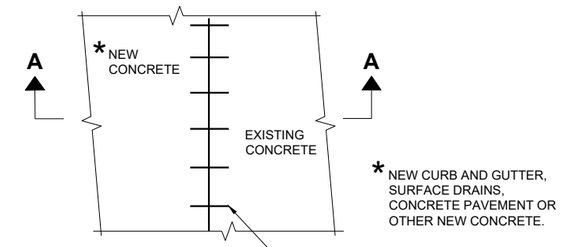


DRIVEWAY ENTRANCE CURB (10)

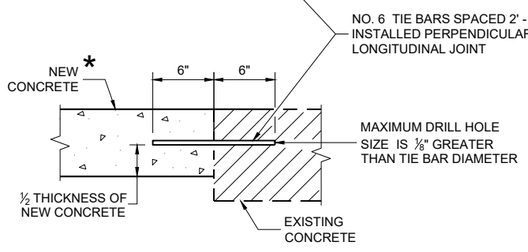
(WHEN DIRECTED BY THE ENGINEER)



EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



PLAN VIEW



SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6

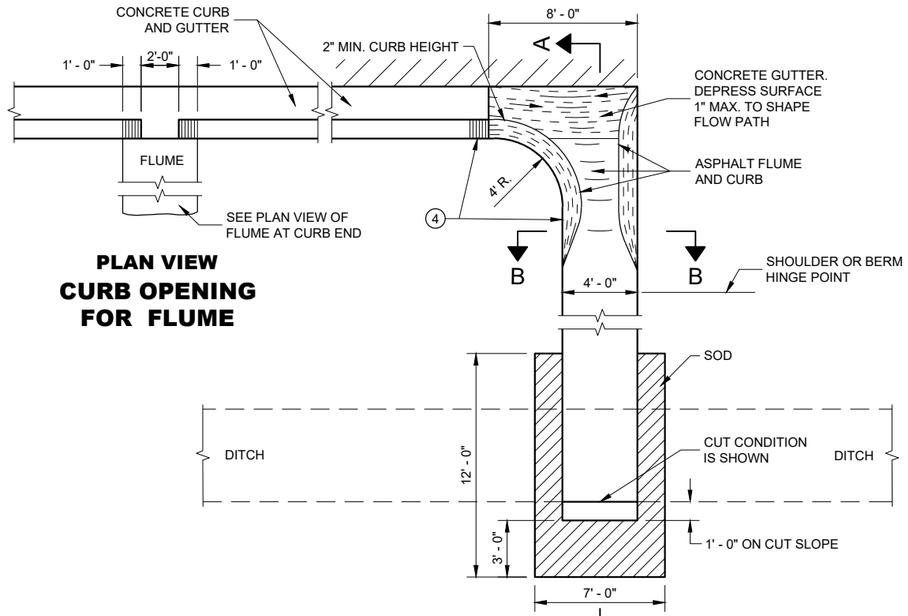
SDD 08D01-23b

6

SDD 08D01-23b

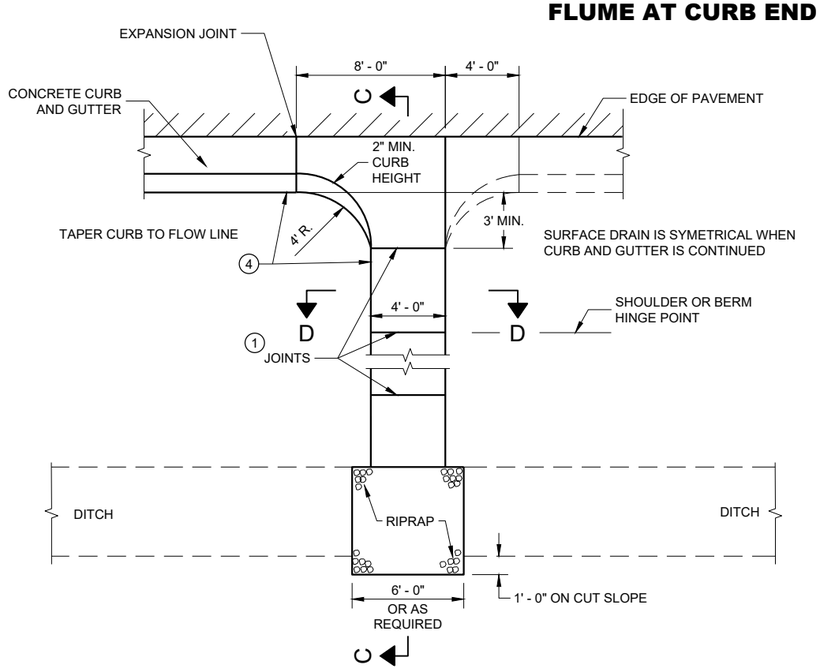
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



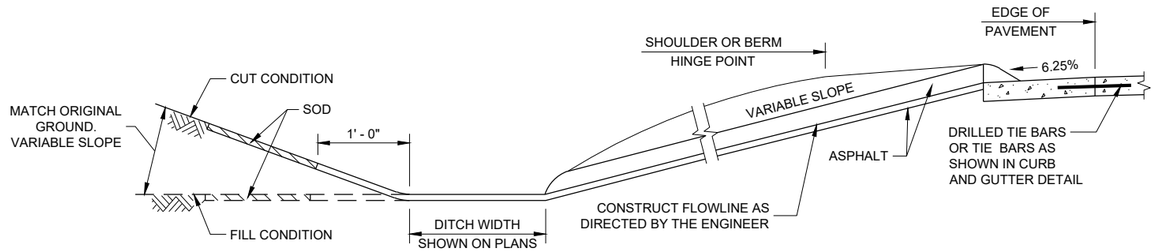
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

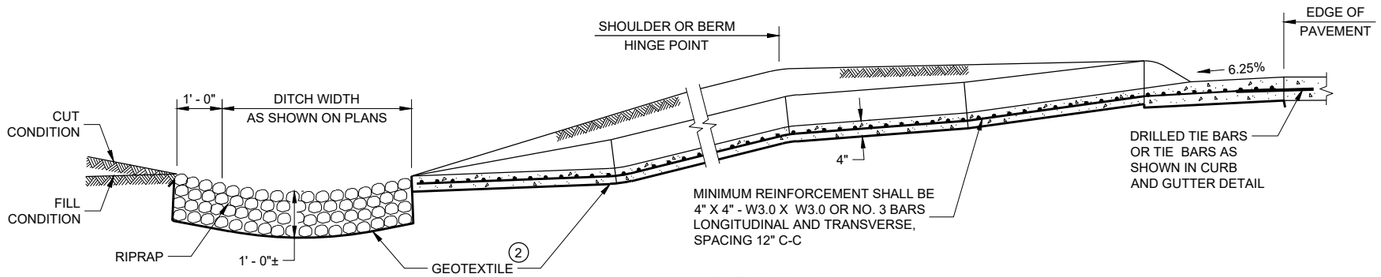
4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. ANGLE OF FLUME IN RELATION TO BACK OF CURB TO BE CONSTRUCTED PER THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER. ANGLE OF FLUME MAY BE OTHER THAN 90 DEGREES AS SHOWN.

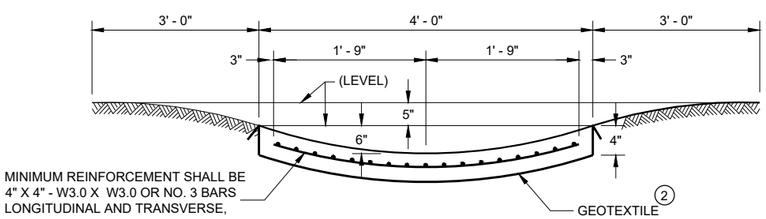


SECTION A - A

SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

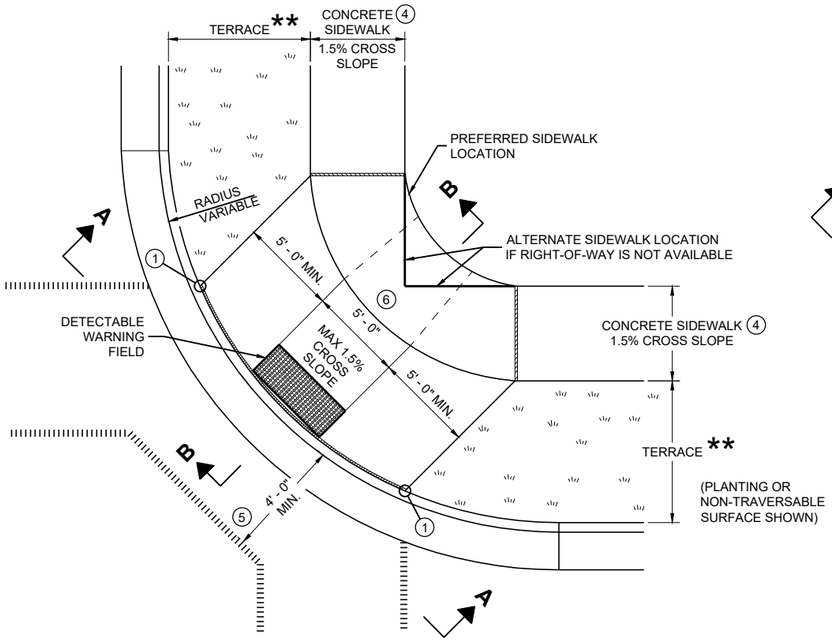
FHWA

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SDD 08D04 - 07

6

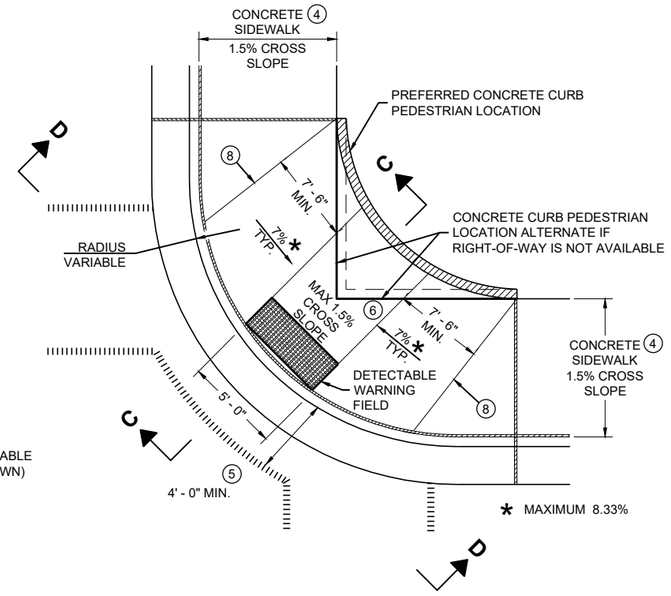
SDD 08D04 - 07



PLAN VIEW

CURB RAMP TYPE 1

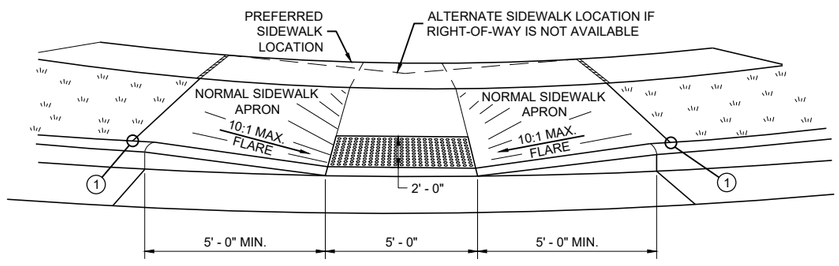
(CENTER OF CORNER RADIUS)



PLAN VIEW

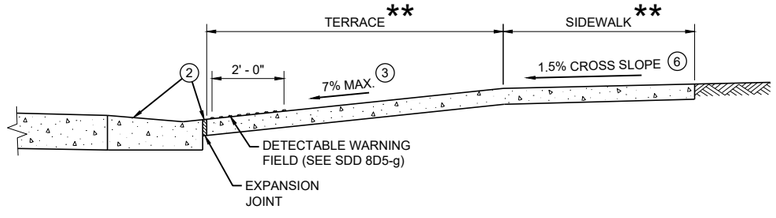
CURB RAMP TYPE 1 - A

(NO TERRACE)

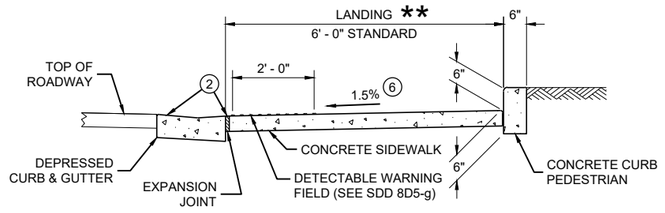


VIEW A - A FOR TYPE 1

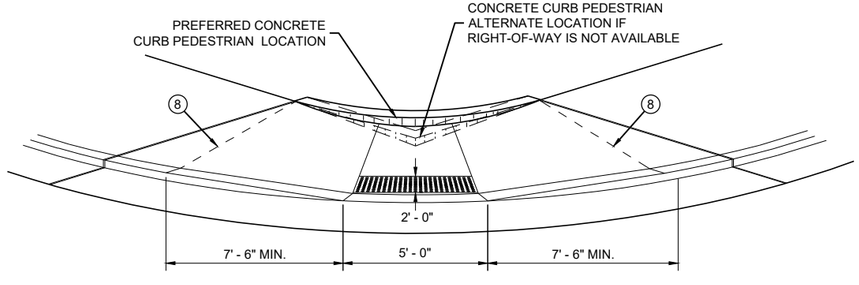
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



SECTION C - C FOR TYPE 1 - A



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ½ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA. 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

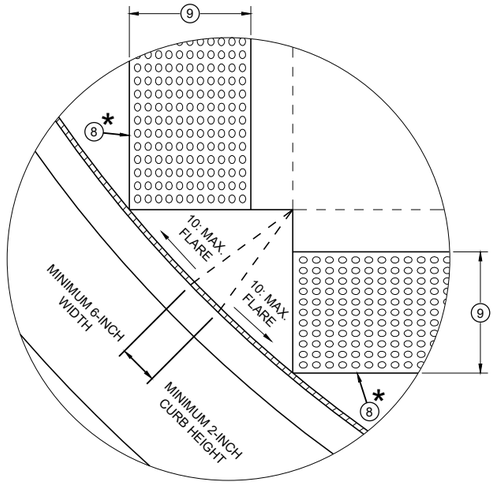
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

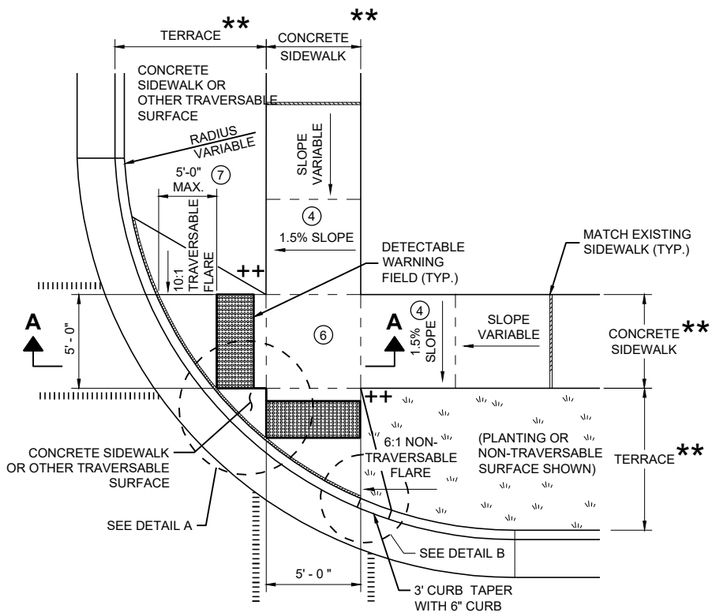
CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

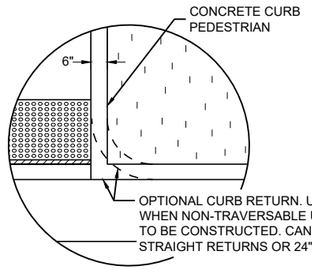
6
SDD 08D05-21a



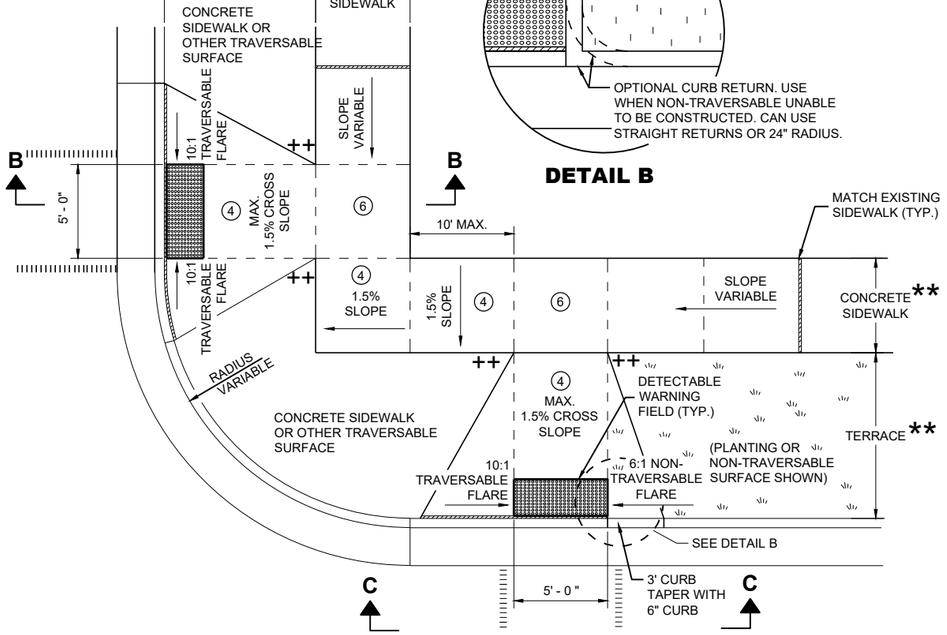
DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)



DETAIL B



PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

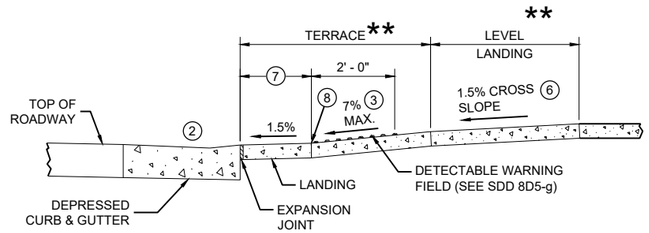
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

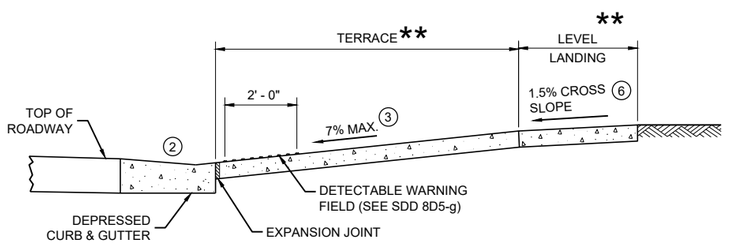


SECTION A - A FOR TYPE 2

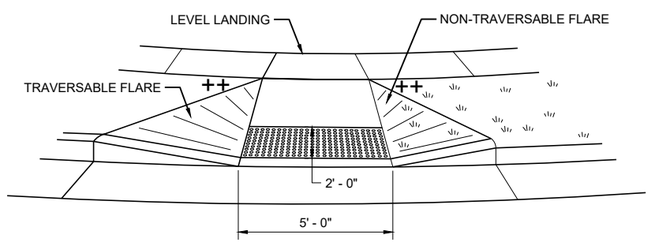
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



SECTION B - B FOR TYPE 3



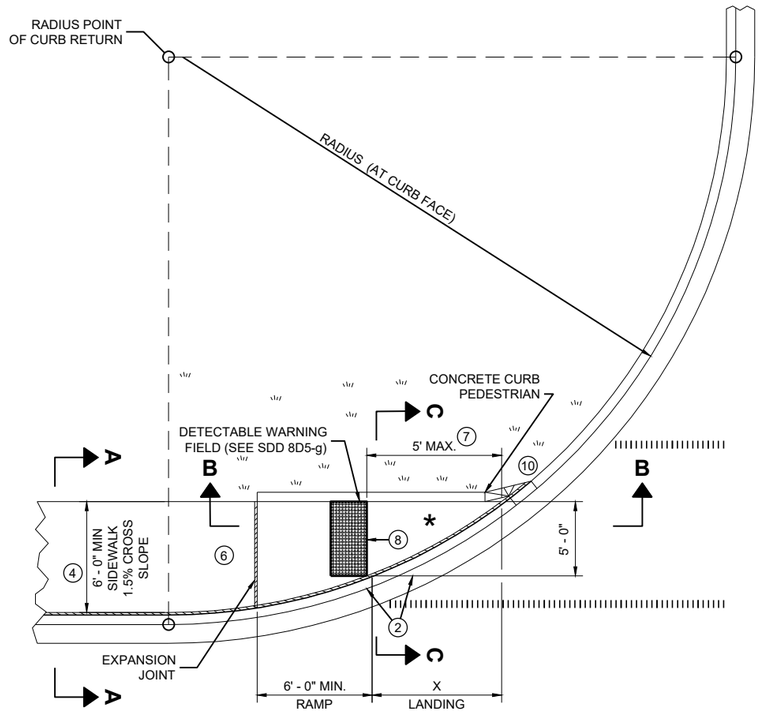
VIEW C - C FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

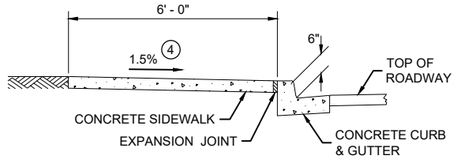


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

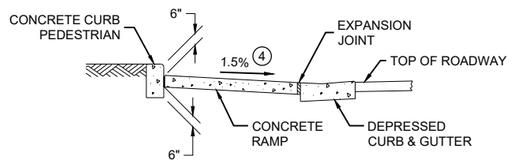
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

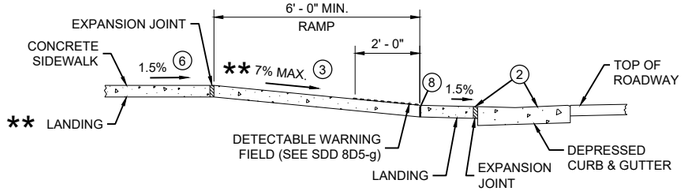
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)

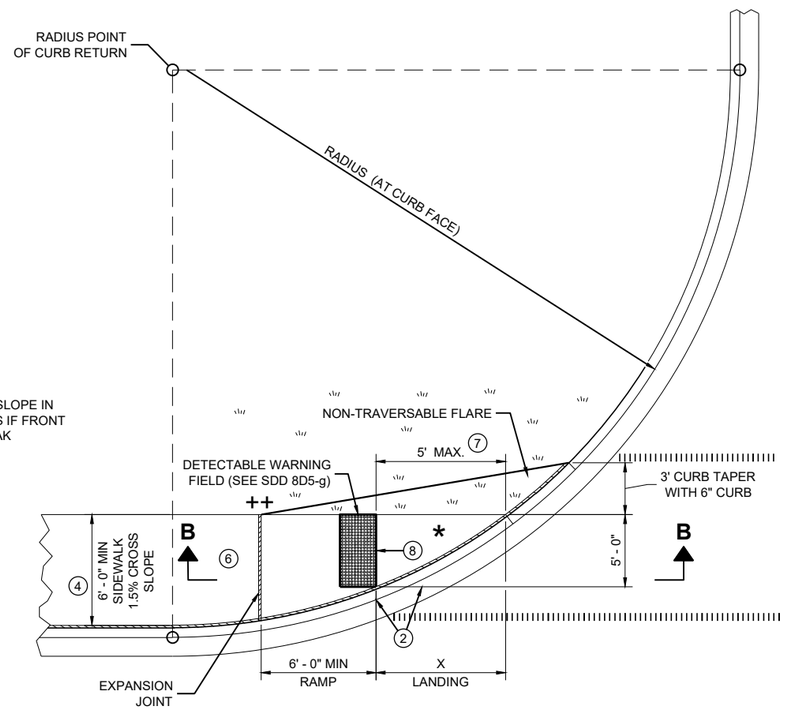


SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

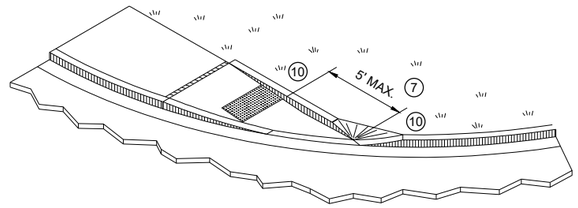


* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

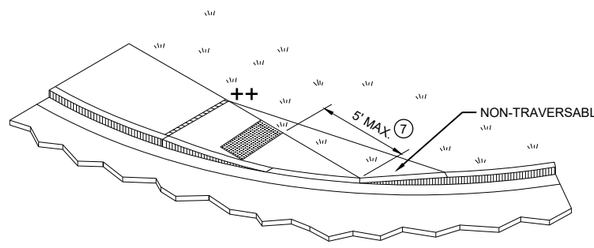
PLAN VIEW

CURB RAMP TYPE 4A1

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



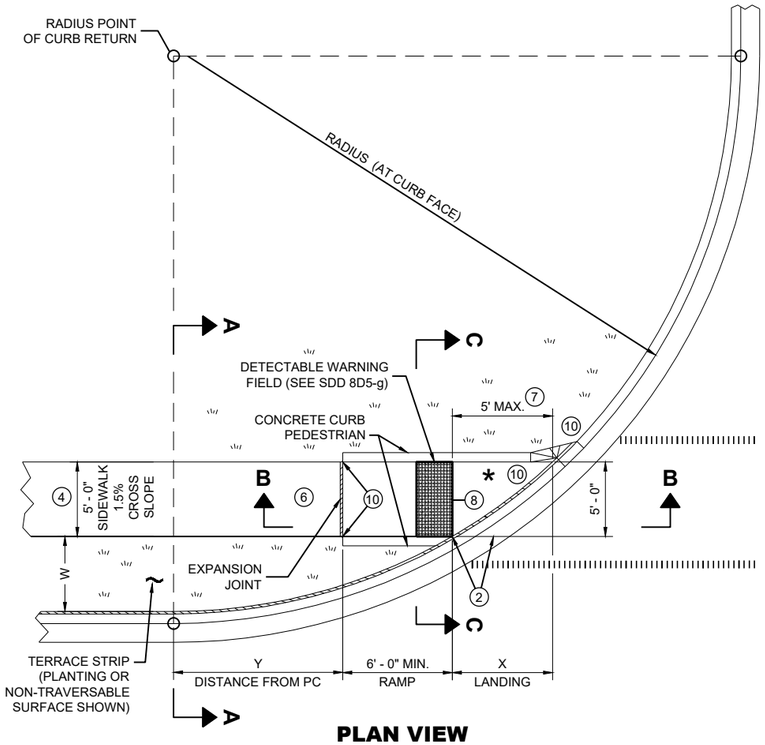
ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



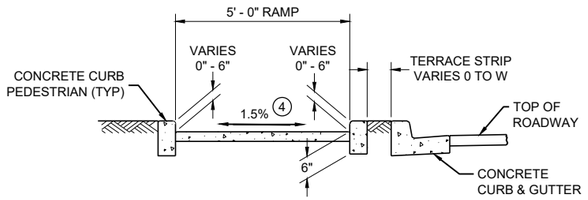
PLAN VIEW
CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 1/4"	0' - 5"	2' - 1"	1' - 4 1/2"	1' - 5"	2' - 1"	0' - 10"	2' - 7 1/2"	0' - 3 1/4"	3' - 0 1/4"						
15 FEET	4' - 6 3/4"	2' - 1 3/4"	3' - 9"	3' - 5 3/4"	3' - 1 1/4"	4' - 6"	2' - 6 3/4"	5' - 4 1/2"	2' - 1"	6' - 1"	1' - 8"	6' - 8 1/2"	1' - 3 1/4"	7' - 2 1/2"	0' - 10 3/4"	7' - 7 1/4"
20 FEET			4' - 11 1/2"	5' - 1 3/4"	4' - 3 1/4"	6' - 5 1/2"	3' - 8 3/4"	7' - 7"	3' - 3"	8' - 6 1/2"	2' - 10"	9' - 4 1/2"	2' - 5 1/2"	10' - 1 1/4"	2' - 1 1/4"	10' - 9"
30 FEET									4' - 10 3/4"	12' - 5 3/4"	4' - 5 1/2"	13' - 7 3/4"	4' - 0 3/4"	14' - 8 1/2"	3' - 8 1/2"	15' - 8 1/4"
40 FEET															4' - 10 3/4"	19' - 8 1/4"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



SECTION C - C FOR TYPE 4B

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

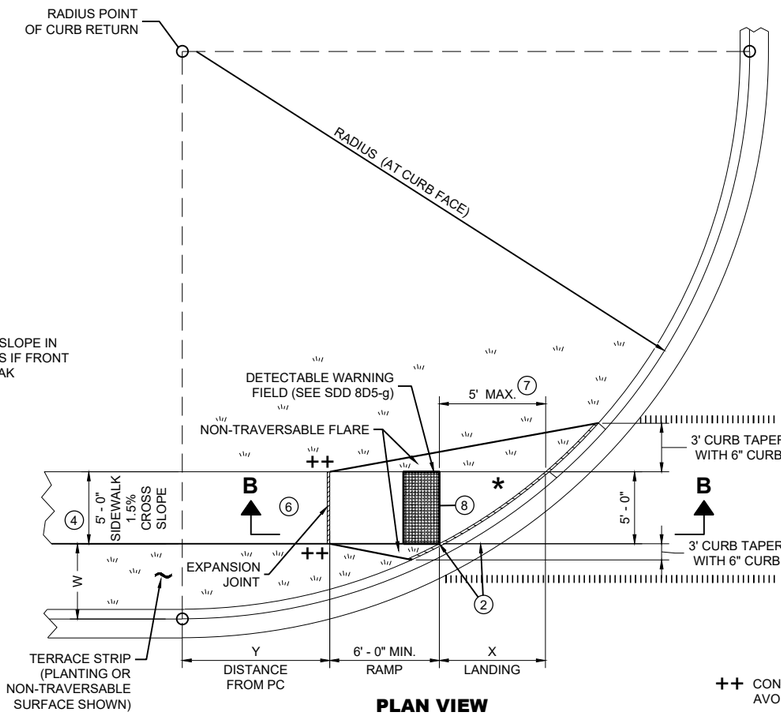
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

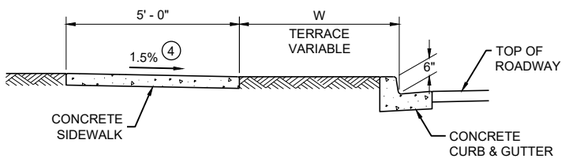
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

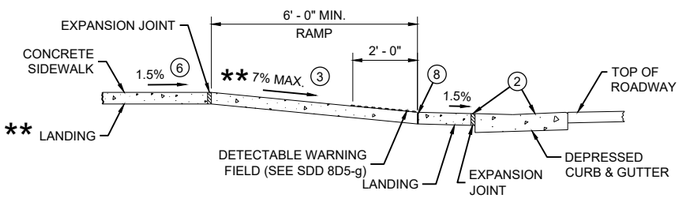
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



PLAN VIEW
CURB RAMP TYPE 4B1



SECTION A - A FOR TYPE 4B

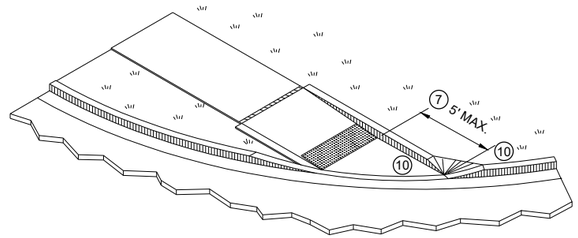


SECTION B - B FOR TYPE 4B AND TYPE 4B1

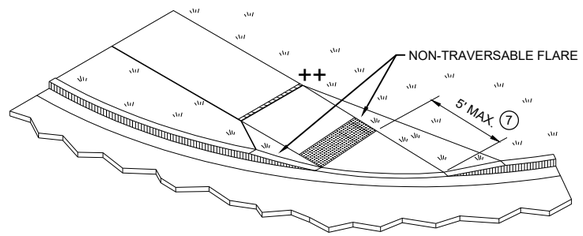
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



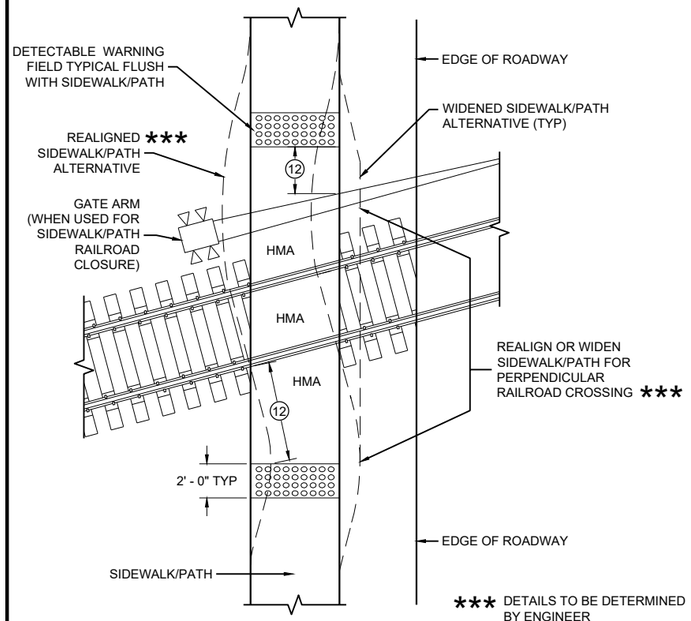
ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

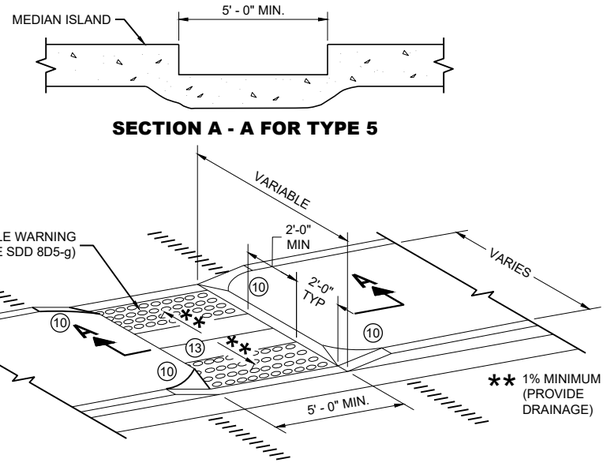
CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



SECTION A - A FOR TYPE 5

CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

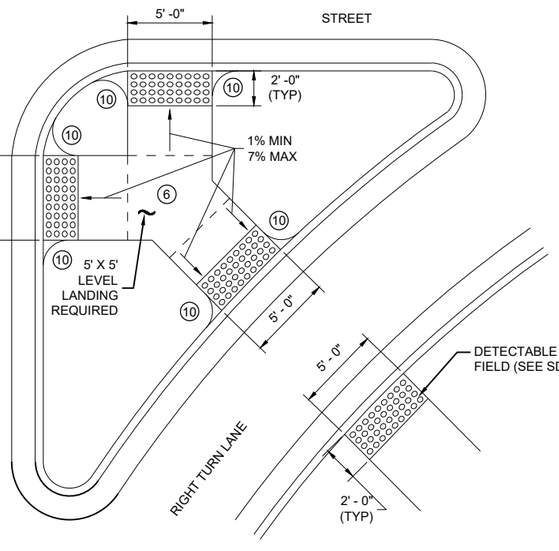
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK/PATH. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD TRACK IS 15 FEET MAXIMUM AND 12 FEET MINIMUM, 15 FEET TYPICAL FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

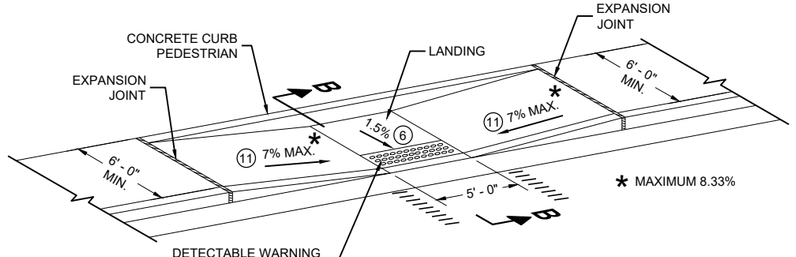
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

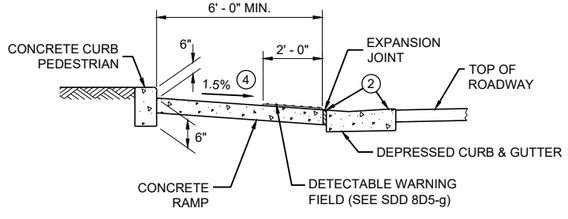
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS

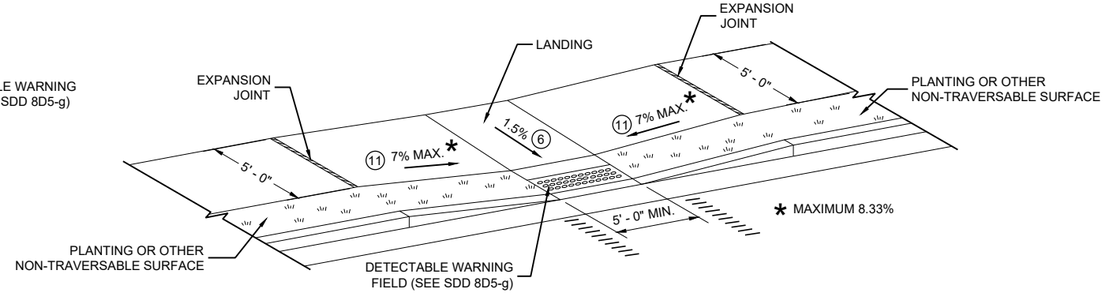


CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS



SECTION B - B FOR TYPE 7A



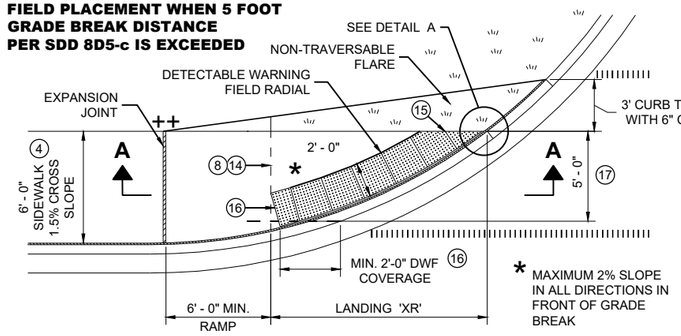
CURB RAMP TYPE 7B

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

CURB RAMPS TYPE 5, 6, 7A, 7B & 8

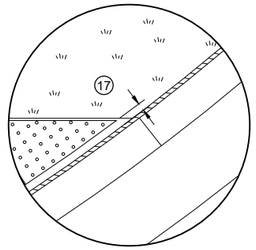
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED

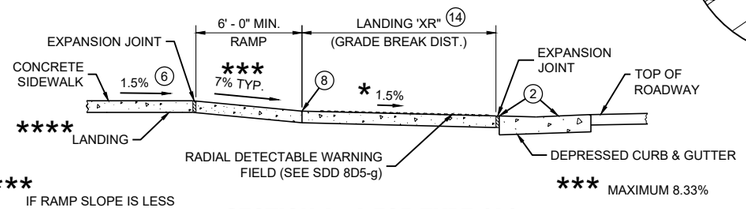


PLAN VIEW

CURB RAMP TYPE 4A1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

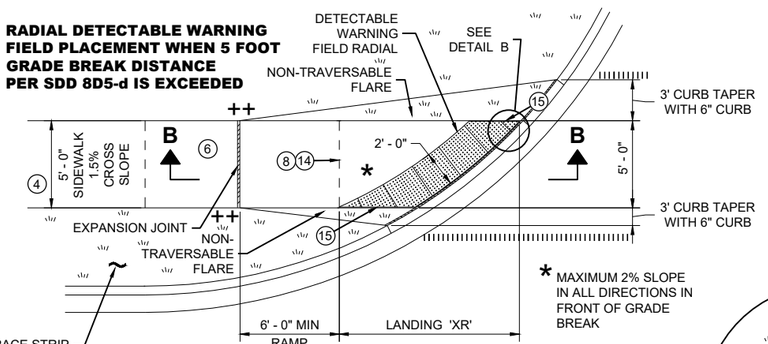
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

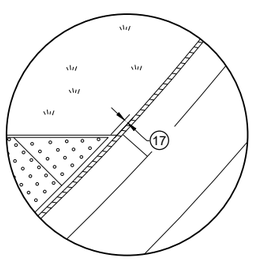
(17) A MAXIMUM 3 INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED

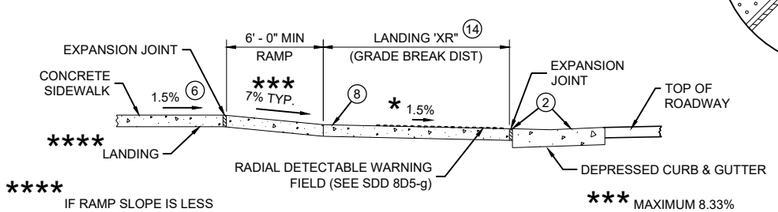


PLAN VIEW

CURB RAMP TYPE 4B1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

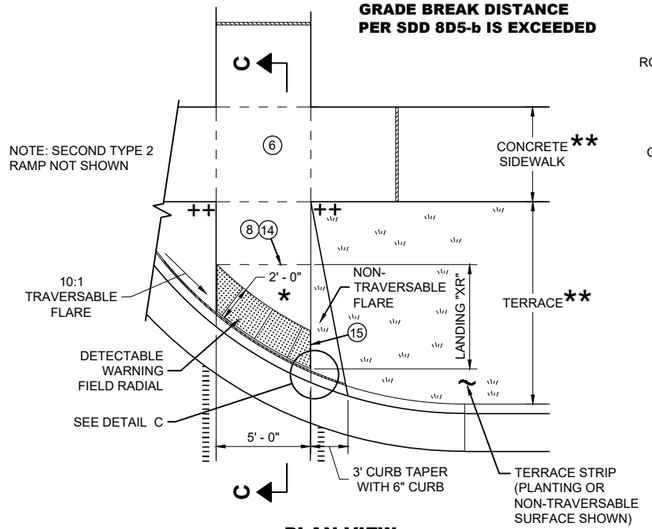


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

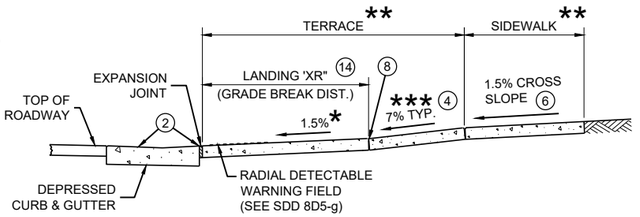
SECTION B - B FOR TYPE 4B1

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

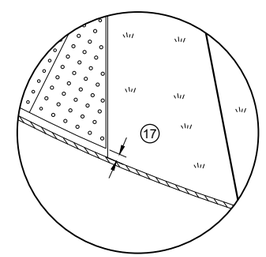


PLAN VIEW

CURB RAMP TYPE 2
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)



SECTION C - C FOR TYPE 2



DETAIL C

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

CURB RAMPS
RADIAL DETECTABLE WARNING

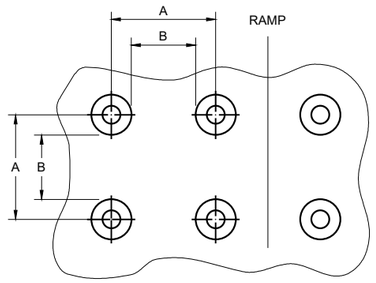
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

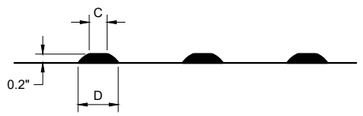
SDD 08D05-21f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

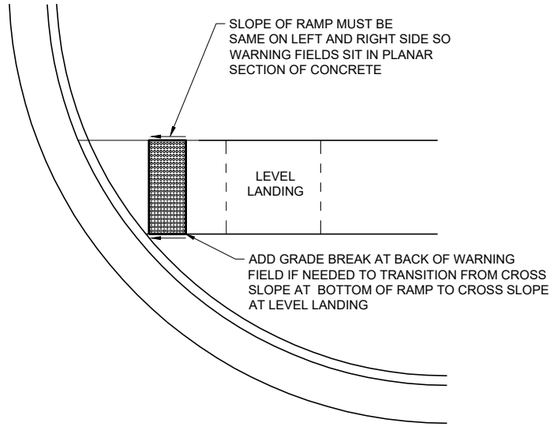
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW



DETECTABLE WARNING FIELD
PLANAR INSTALLATION

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

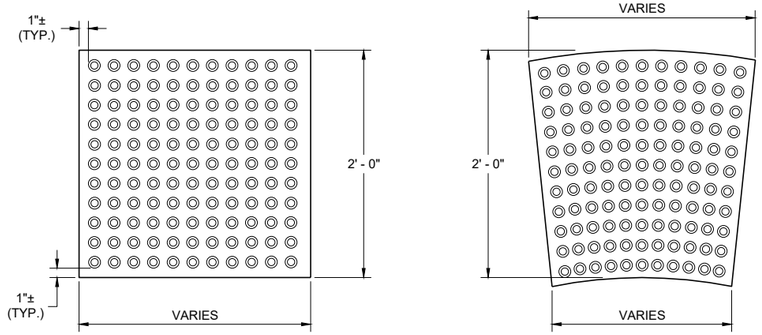
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

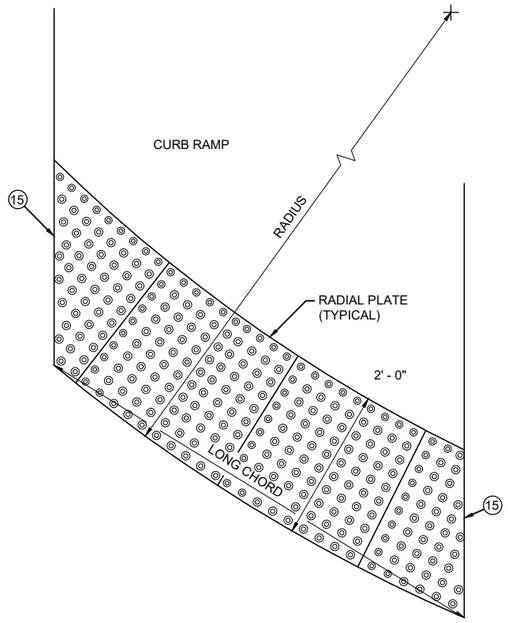
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



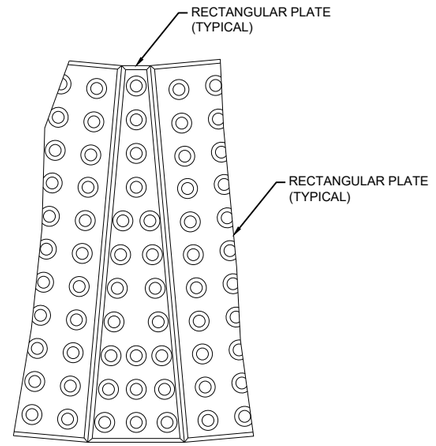
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

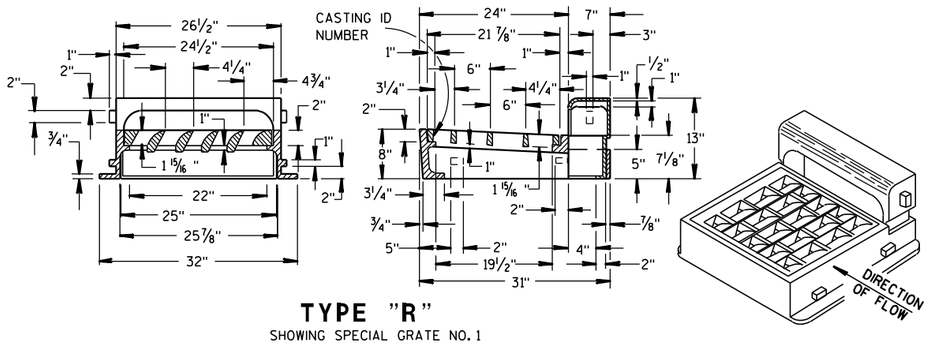
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APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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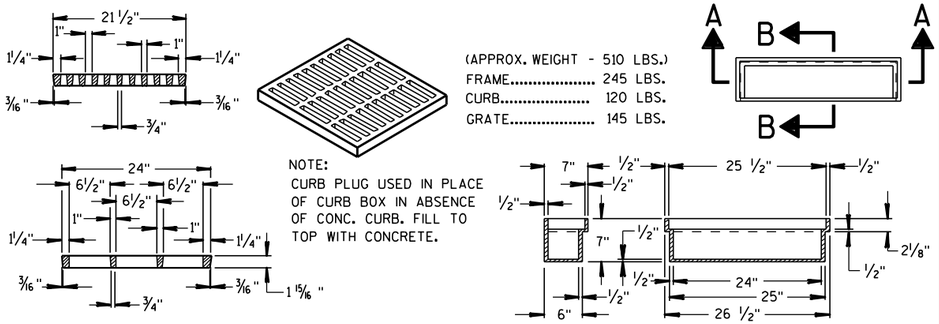
6
SDD 08D05-21g

INLET COVERS



TYPE "R"

SHOWING SPECIAL GRATE NO. 1
(TO BE NOTED AS R-1 IN DRAINAGE TABLE)



(APPROX. WEIGHT - 510 LBS.)
FRAME..... 245 LBS.
CURB..... 120 LBS.
GRATE..... 145 LBS.

NOTE:
CURB PLUG USED IN PLACE OF CURB BOX IN ABSENCE OF CONC. CURB. FILL TO TOP WITH CONCRETE.

GRATE FOR TYPE "R" INLET COVER

(GRATE..... 150 LBS.)
(TO BE USED UNLESS OTHERWISE NOTED IN DRAINAGE TABLE)

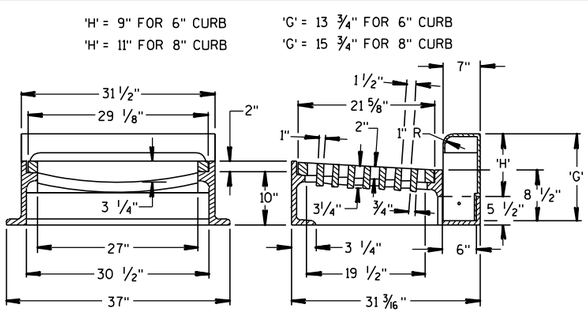
SECTION B-B

SECTION A-A

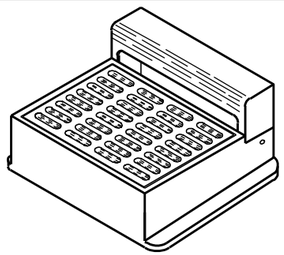
SPECIAL CURB PLUG "P"

(CURB PLUG..... 85 LBS.)
(TO BE NOTED AS R-P IN DRAINAGE TABLE)

'H' = 9" FOR 6" CURB
'H' = 11" FOR 8" CURB
'G' = 13 3/4" FOR 6" CURB
'G' = 15 3/4" FOR 8" CURB



TYPE "W"

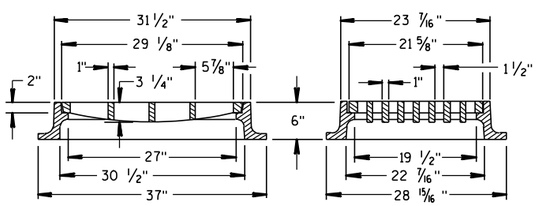


(APPROX. WEIGHT - 670 LBS.)
FRAME..... 350 LBS.
CURB BOX..... 135 LBS.
GRATE..... 185 LBS.

ALTERNATE GRATE

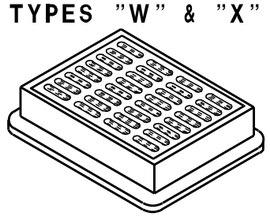
(FOR EXPRESSWAY RAMPS)

TYPES "W" & "X"

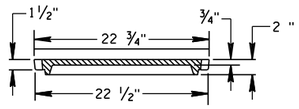


TYPE "X"

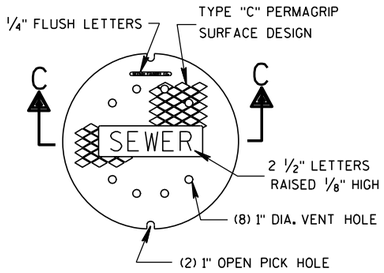
(APPROX. WEIGHT - 470 LBS.)

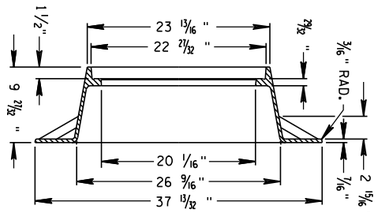


MANHOLE COVER



SECTION C-C





TYPE "Q"

(APPROX. WEIGHT - 290 LBS.)

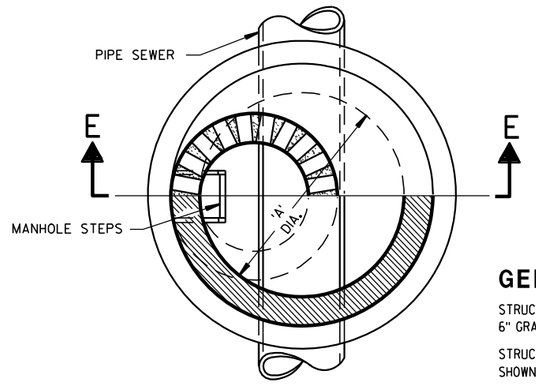
TABLE OF DIMENSIONS

TYPE	'A'	'B'	'C'
11	3'-6"	2'-8"	12" - 36"*
12	4'-0"	3'-8"	12" - 42"**
13	5'-0"	5'-8"	42" - 48"
14	6'-0"	7'-8"	54" - 60"

* 12" - 21" FOR PRECAST MANHOLES
** 12" - 24" FOR PRECAST MANHOLES

THE FIRST STEP SHALL BE PLACED 16" ABOVE THE BENCH.

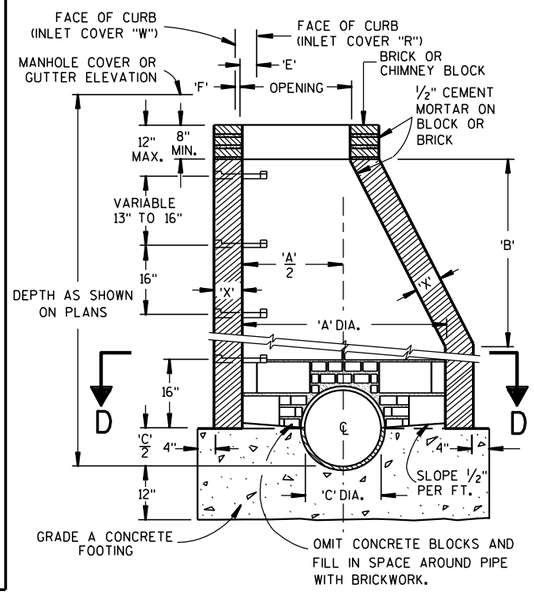
MANHOLE



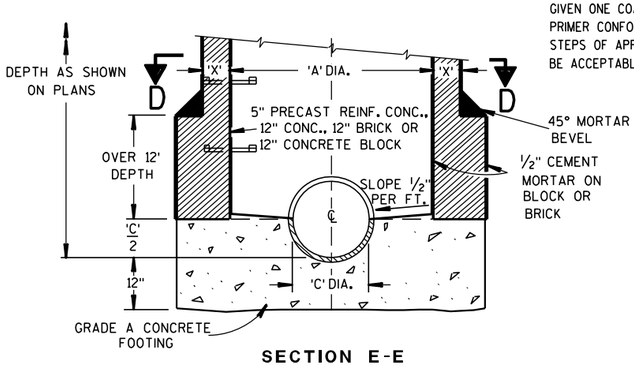
HALF SECTION D-D

TABLE OF OPENING DIMENSIONS

COVER TYPE	COVER DESCRIPTION	OPENING	'E'	'F'
"O"	ROUND	2'-2" DIA.	—	—
"W"	CURB BOX	1'-8" X 2'-6"	—	1"
"X"	INLET	1'-10" X 2'-6"	—	—
"R"	CURB BOX	2'-0" X 2'-1"	4"	—



SECTION E-E



SECTION E-E

TYPES 11, 12, 13 & 14

GENERAL NOTES

STRUCTURE WALL THICKNESS 'X' TO BE 8" BRICK, 6" CONCRETE BLOCK, 6" GRADE A CONCRETE OR 5" PRECAST REINFORCED CONCRETE.

STRUCTURE FOOTINGS ARE TO BE GRADE A CONCRETE OF THE THICKNESS SHOWN IN THE DETAIL OR 5" PRECAST REINFORCED CONCRETE.

REINFORCEMENT FOR 5" PRECAST REINFORCED CONCRETE SHALL BE 6" X 6" W16 X W16 WELDED SREEL WIRE FABRIC AND SHALL BE EMBEDDED 2" CLEAR.

PRECAST INLET UNITS AND BASES SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

PRECAST CONCRETE FLAT SLAB TOPS MAY BE USED ON THE STRUCTURES. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6" IN DEPTH, WHICH MEETS THE REQUIREMENTS FOR GRANULAR BACK-FILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

SET FRAME ELEVATION 0.03 FT. LOWER THAN ELEVATION INDICATED ON THE PLANS.

THE CONTRACTOR MAY FORM AND POUR MONOLITHIC CONCRETE INVERT PROVIDED THE PIPE ENDS ARE EXTENDED INTO THE M.H. AND NOT TERMINATED WITHIN THE M.H. WALLS.

MANHOLE STEPS

STEPS MEETING THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH; 16 INCH C-C MAX. SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM WALL EMBEDMENT OF 3 INCHES IN PRECAST MANHOLE AND 6 INCHES IN 8 INCH BRICK OR 6 INCH BLOCK MANHOLE; TREAD OF STEP SHALL HAVE A NON-SKID SURFACE AND BE FLANKED BY CLEATS, WITH A MINIMUM OF 10 INCHES CLEAR BETWEEN CLEATS, TO PREVENT FOOT SLIPPING OFF THE EDGE CLEATS SHALL BE A MINIMUM OF 3/4 INCH HIGH BY 3/4 INCH WIDE HAVING A MINIMUM THICKNESS OF 5/8 INCH. STEPS SHALL BE CAPABLE OF SUPPORTING A CONCENTRATED LOAD OF 300 LBS. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

SOLID ALUMINUM STEPS SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 0.75 INCH. ALUMINUM SURFACES TO BE EMBEDDED IN CONCRETE SHALL BE GIVEN ONE COAT OF SUITABLE QUALITY PAINT, SUCH AS ZINC CHROMATE PRIMER CONFORMING TO FEDERAL SPECIFICATION TT-P-645 OR EQUIVALENT. STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCING BAR WILL BE ACCEPTABLE.

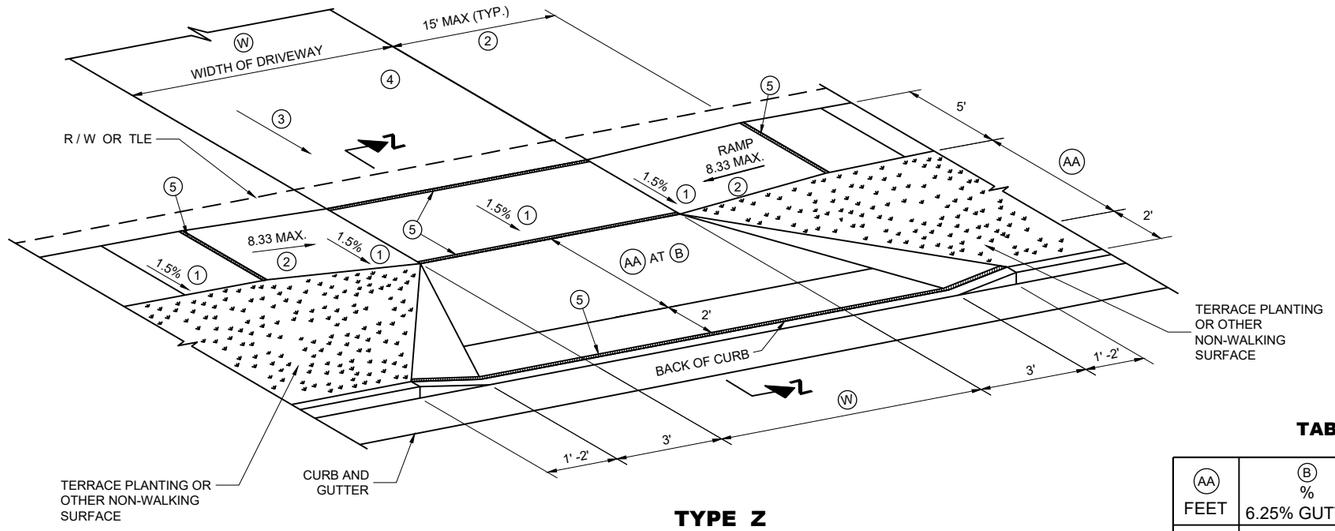
MANHOLES, MANHOLE & INLET COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/12/2011 — DATE
/S/ Jerry H. Zogg — ROADSIDE STANDARDS ENGINEER
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FHWA

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S.D.D. 8 D 17-6



TYPE Z

SIDEWALK WITH WIDER TERRACE
TERRACE VARIES 7 TO 12 FEET

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

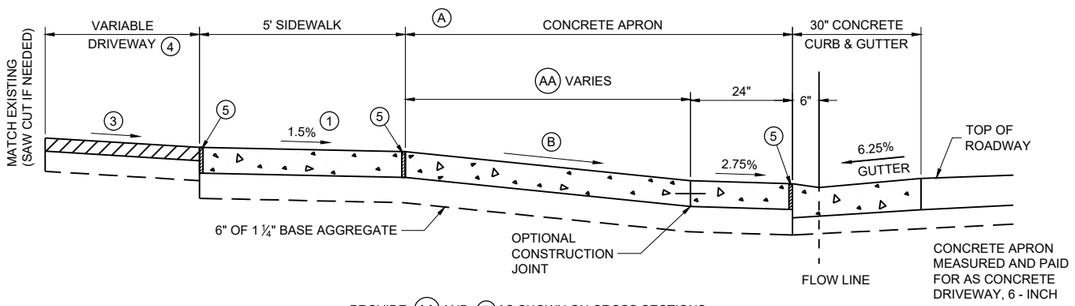
(5) ½" EXPANSION JOINT FILLER.

TABLE Z

(AA) FEET	(B) % 6.25% GUTTER	(B) % 4% GUTTER
4.5'	11.5%	9% TO 11.5%
5.5'	9% TO 11.5%	8% TO 11.5%
6.5'	8% TO 11.5%	6% TO 11.5%
7.5'	7% TO 11.5%	6% TO 11.5%
8.5'	6% TO 11.5%	5% TO 11.5%
9.5'	5% TO 11.5%	4% TO 11.5%

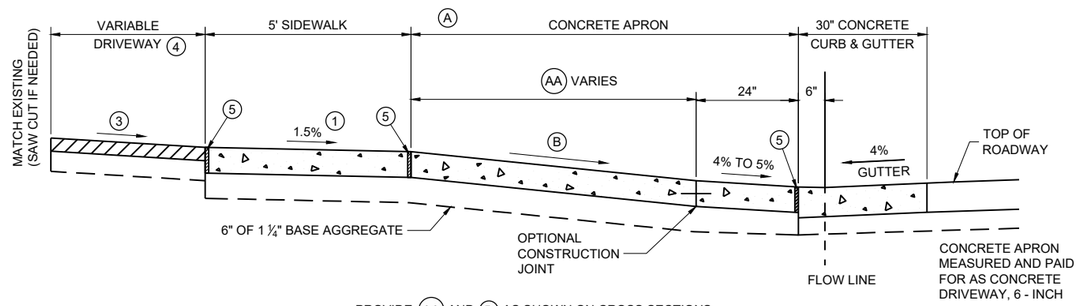
(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)



PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

6.25% GUTTER SLOPE



PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

4% GUTTER SLOPE

NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS FOR (B) VALUES NOT SHOWN IN TABLE Z.

SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY 6-INCH.

SECTION Z - Z
DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER
(URBAN AND SUBURBAN)

DRIVEWAY AND SIDEWALK RAMPS TYPE Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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GENERAL NOTES

A MAXIMUM RADIUS OF 10 FEET SHALL BE USED FOR NON-COMMERCIAL PRIVATE ENTRANCES. RADII FOR COMMERCIAL DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER BASED ON TRAFFIC AND DRIVEWAY PERMIT RESTRICTIONS.

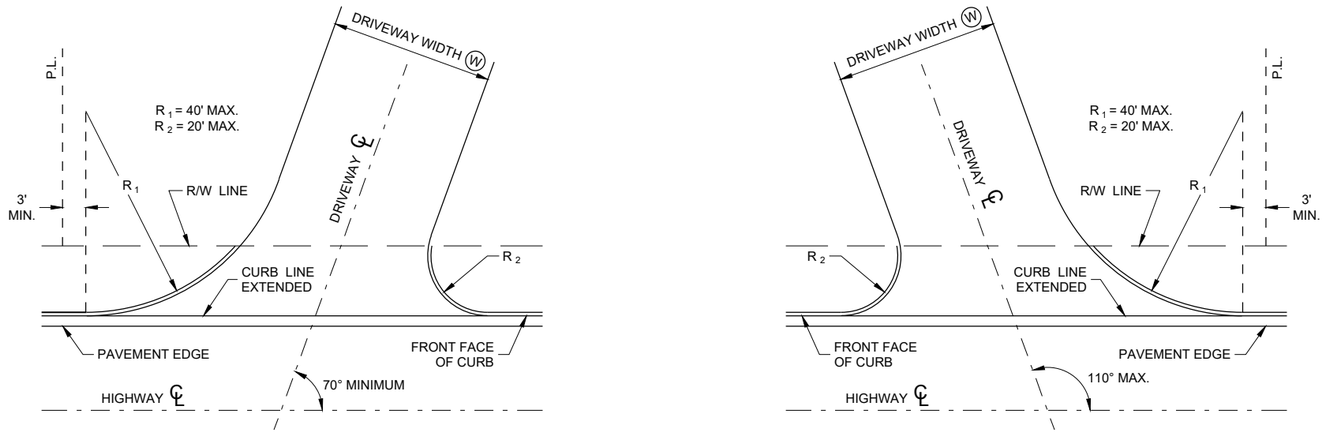
THE MINIMUM ANGLE OF INTERSECTION BETWEEN THE DRIVEWAY AND HIGHWAY CENTERLINES SHALL BE 70°.

ALL CURVILINEAR PRIVATE ENTRANCE OUTLINES SHALL BE CONTAINED WITHIN THE HIGHWAY R/W.

NO DRIVEWAY SHALL BE BUILT WITHIN 3 FEET OF THE PROPERTY LINE EXCEPT FOR EXISTING JOINT DRIVEWAY SHARED BY TWO OWNERS.

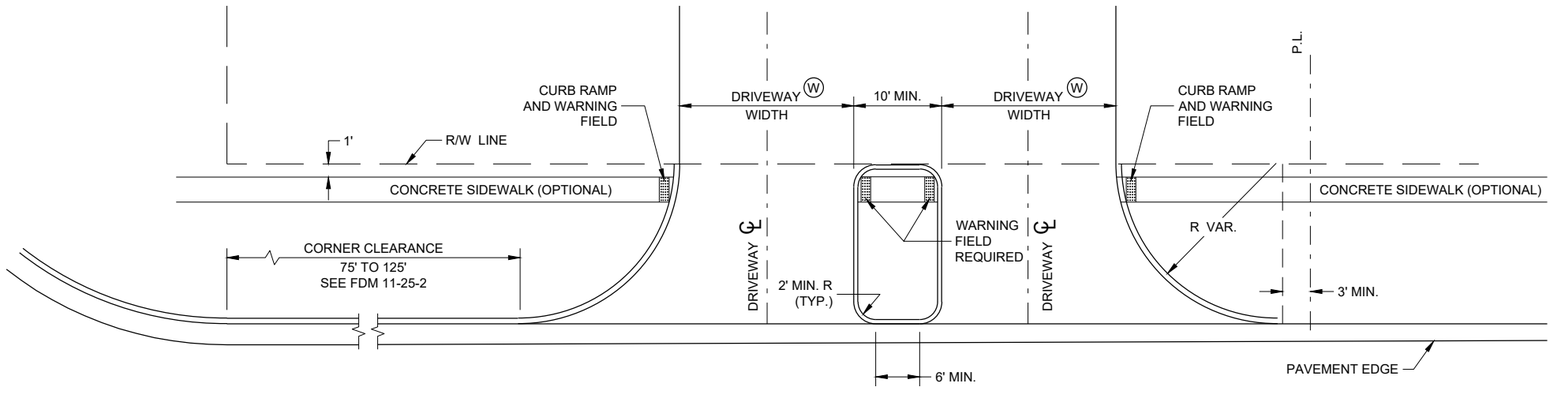
Ⓦ: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)



SKEWED DRIVEWAY DETAILS (COMMERCIAL AND NON-COMMERCIAL)

SIDEWALK NOT SHOWN



DRIVEWAY LOCATION AND SPACING DETAILS

SIDEWALK SHOWN

DRIVEWAYS WITH CURB AND GUTTER RETURNS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
00-00-00 — DATE
/S/ <AUTHOR> — ROADWAY STANDARDS DEVE ENGINEER

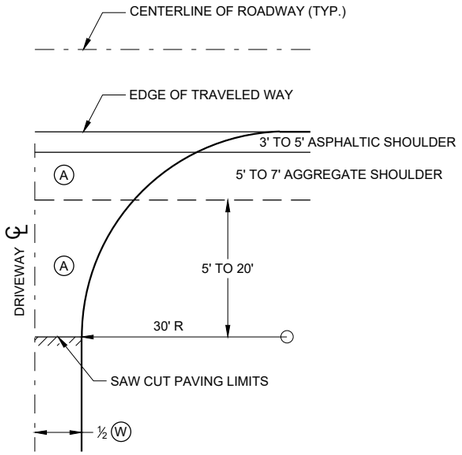
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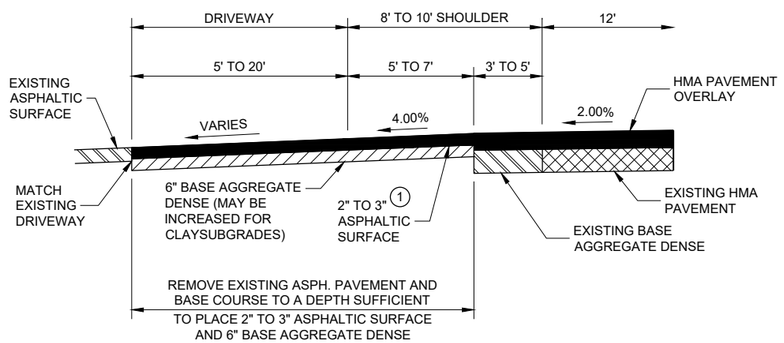
GENERAL NOTES

(1) DESIGN WILL DETERMINE FINAL DRIVEWAY ASPHALTIC THICKNESS BASED ON TYPE OF USAGE AND LOADINGS.



PLAN VIEW

HALF SECTION



PROFILE VIEW

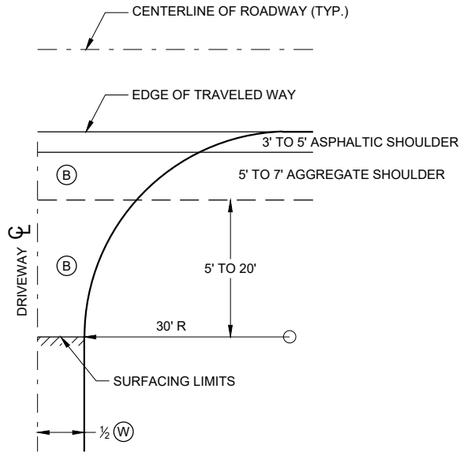
RURAL ENTRANCE WITH ASPHALTIC SURFACE

RESURFACING PROJECTS

(A) : PAID FOR AS ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES. (TON)

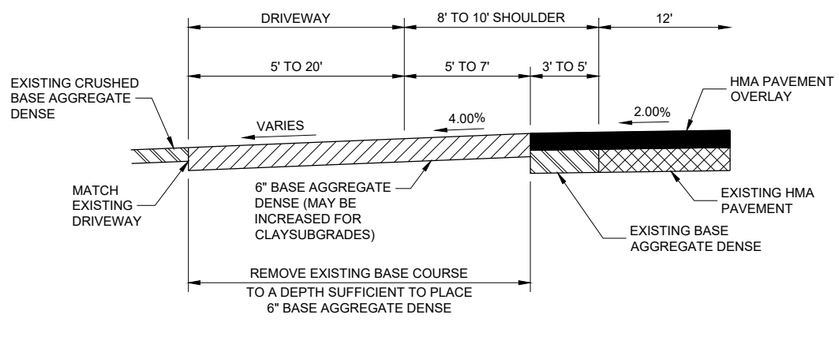
(B) : PAID FOR AS BASE AGGREGATE DENSE 1 ¼" (TON)

(W) : DRIVEWAY WIDTH 16' MIN. - 24' MAX.



PLAN VIEW

HALF SECTION



PROFILE VIEW

RURAL ENTRANCE WITH AGGREGATE SURFACE

6" BASE AGGREGATE DENSE

RESURFACING PROJECTS

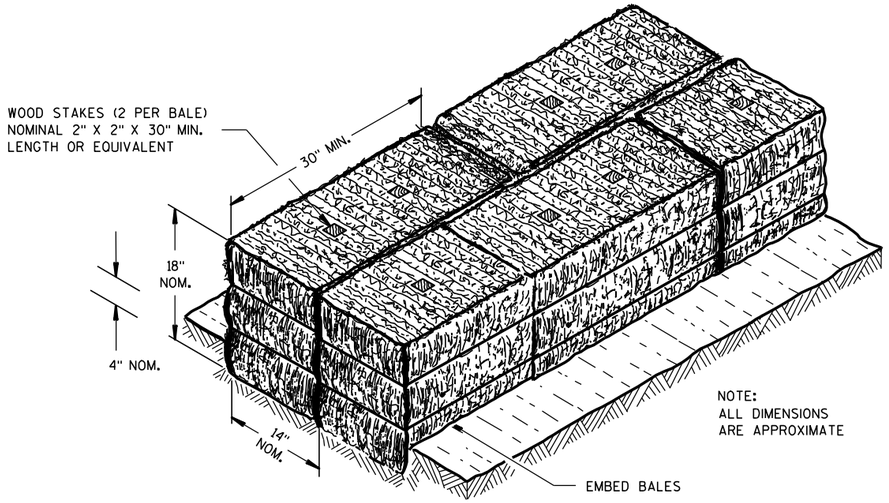
DRIVEWAYS WITHOUT CURB AND GUTTER RESURFACING PROJECTS RURAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

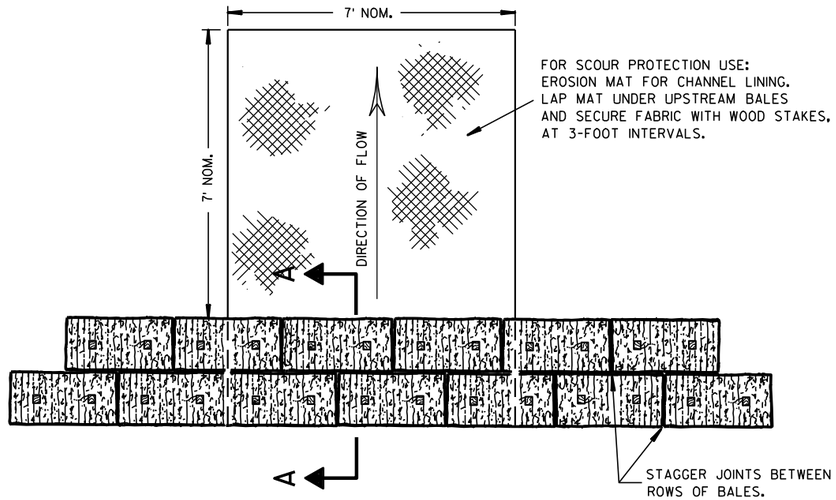
APPROVED
December 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

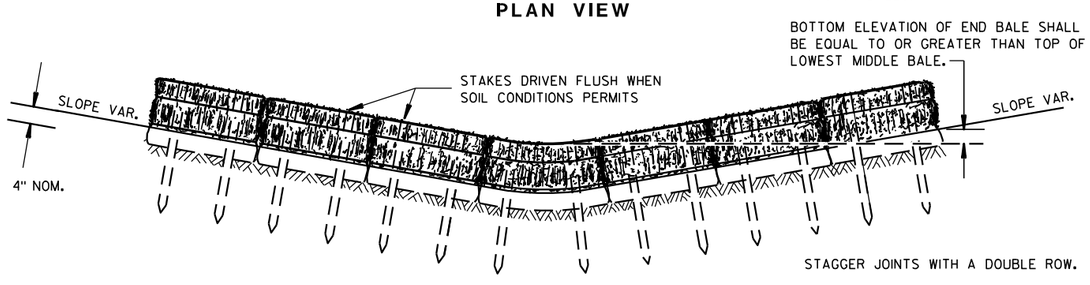
SDD 08D22 - 01



SECTION A-A



PLAN VIEW



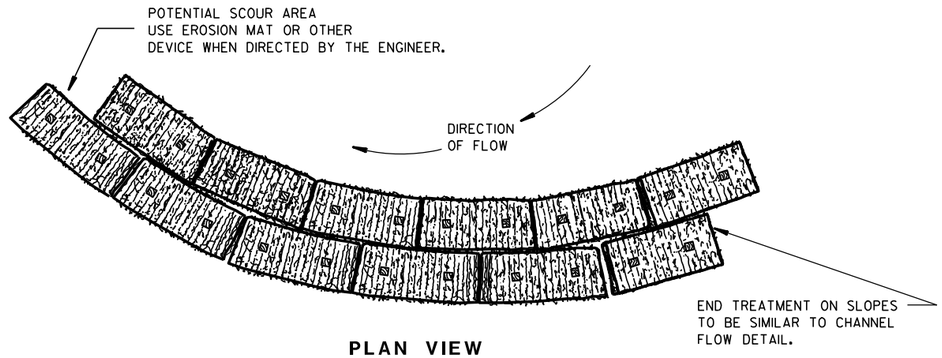
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

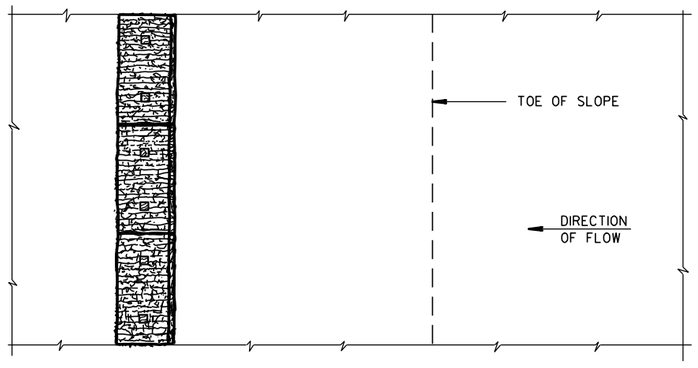
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

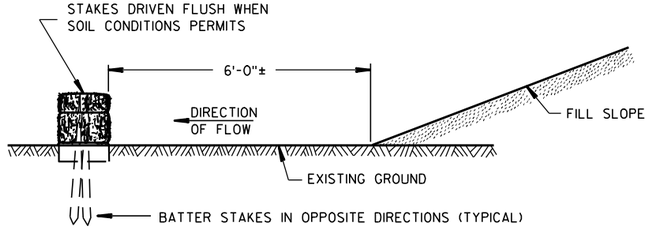


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

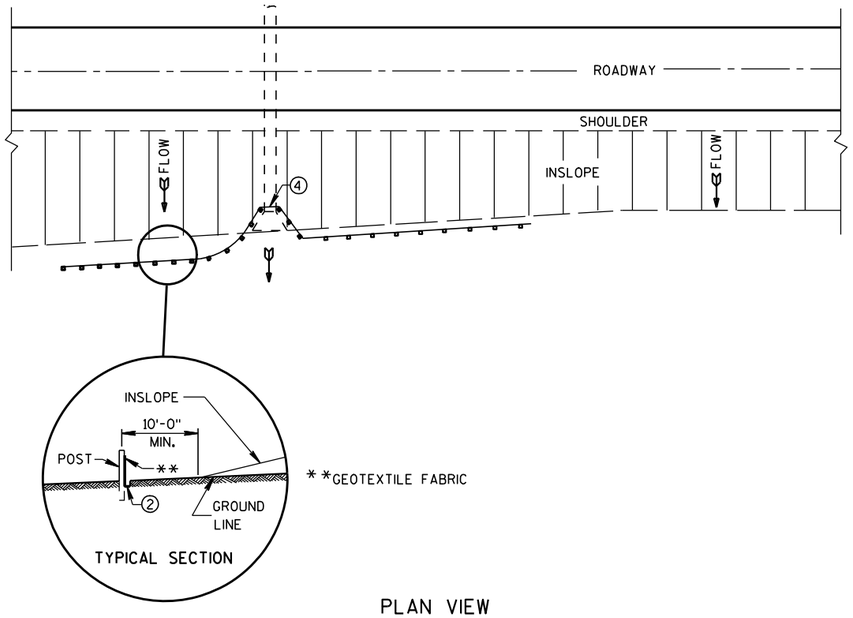
EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

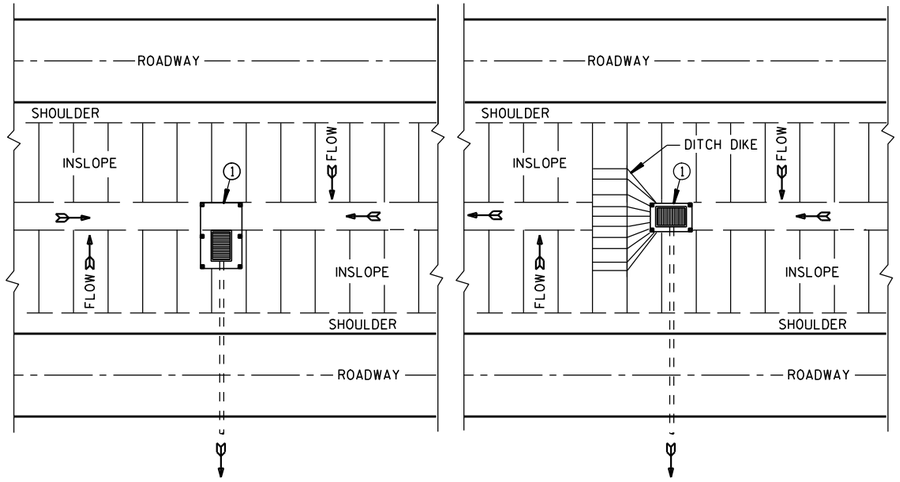
APPROVED
6/04/02 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

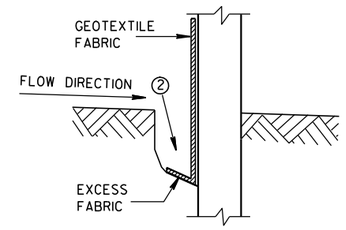
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

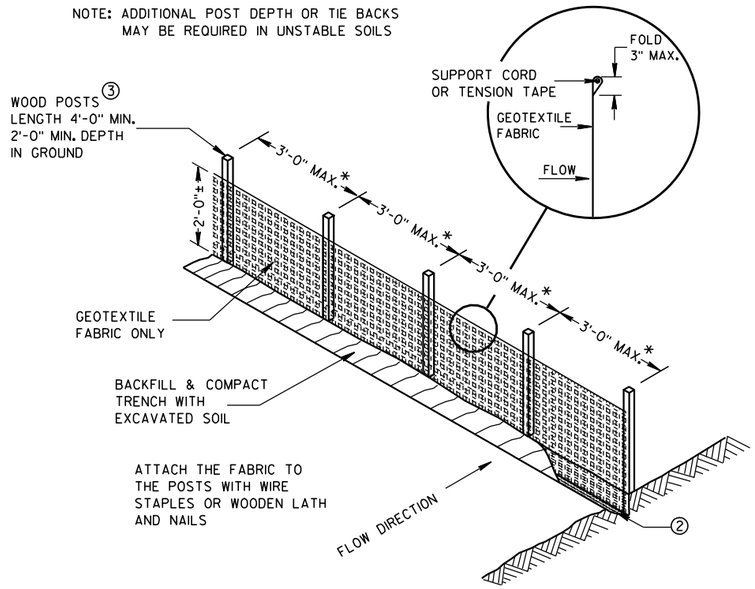
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

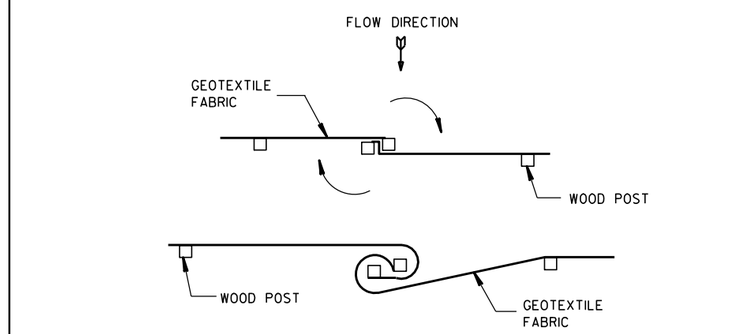
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



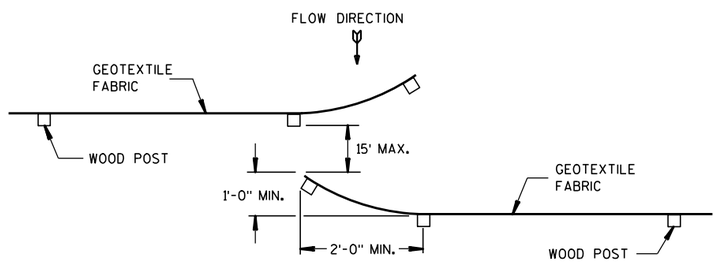
TRENCH DETAIL



SILT FENCE

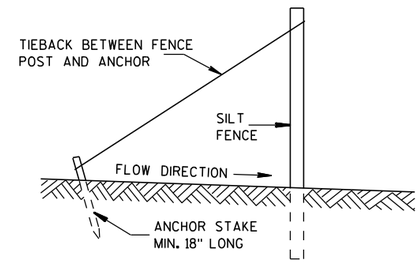


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

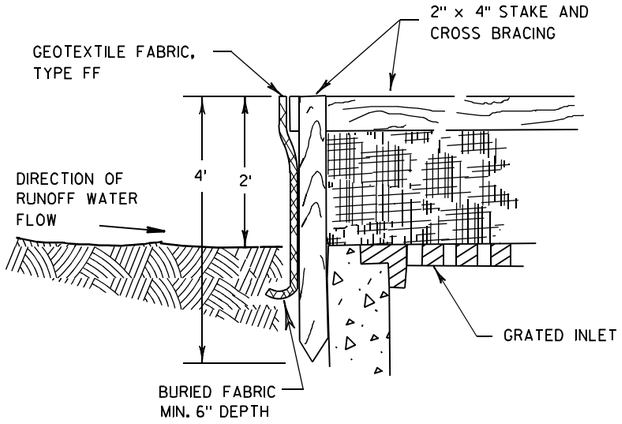
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

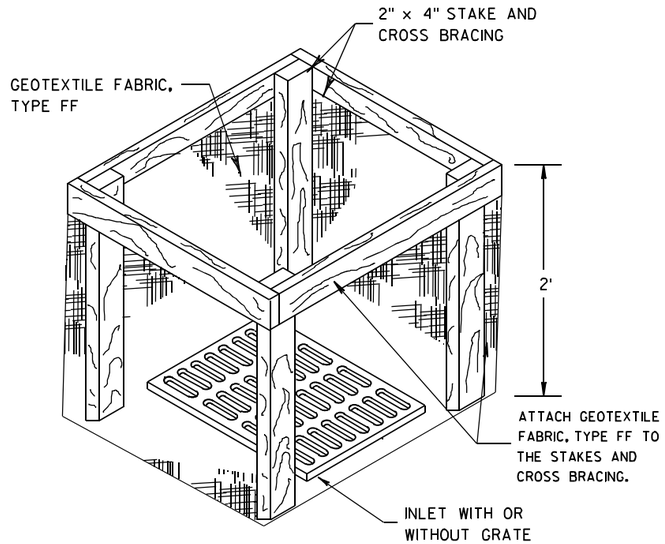
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S.D.D. 8 E 9-6

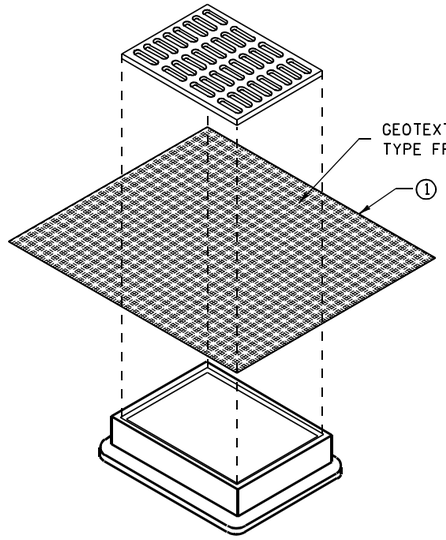
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S.D.D. 8 E 9-6



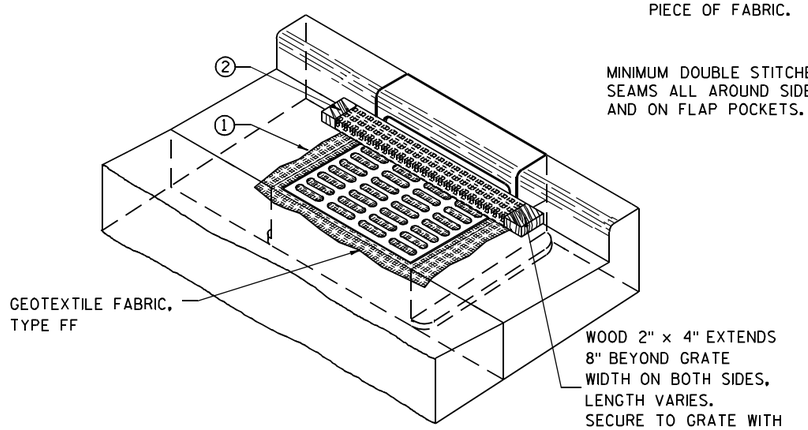


INLET PROTECTION, TYPE A

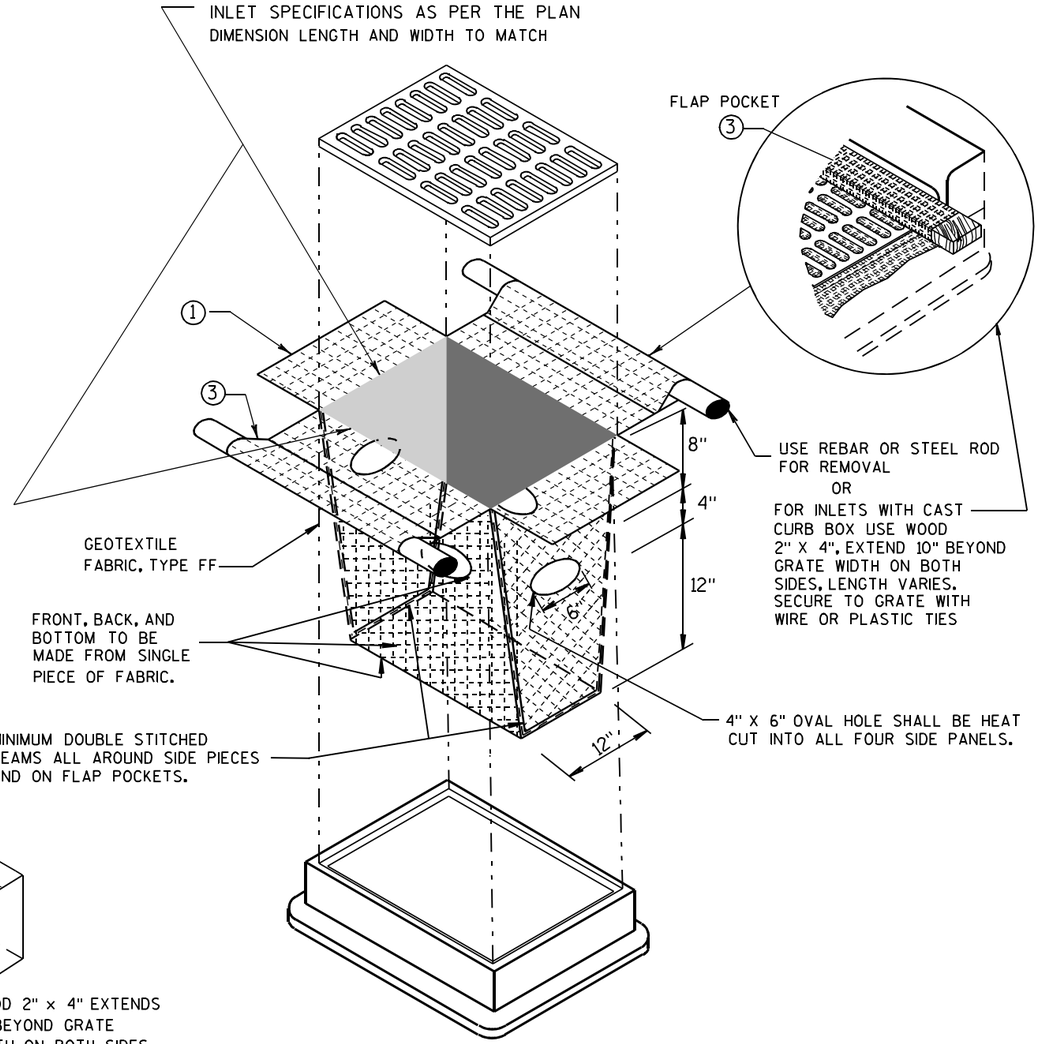


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

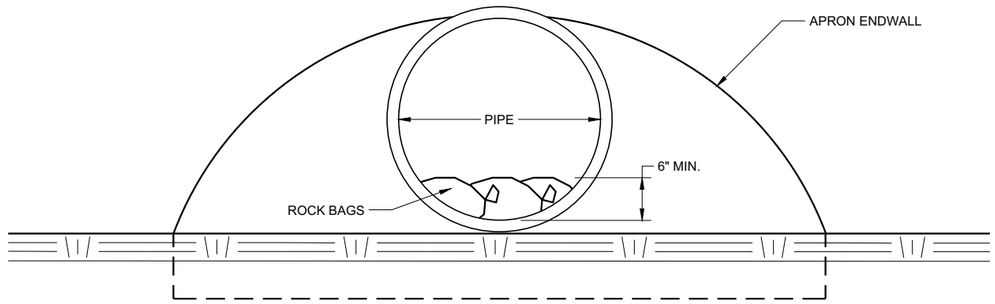
FHWA

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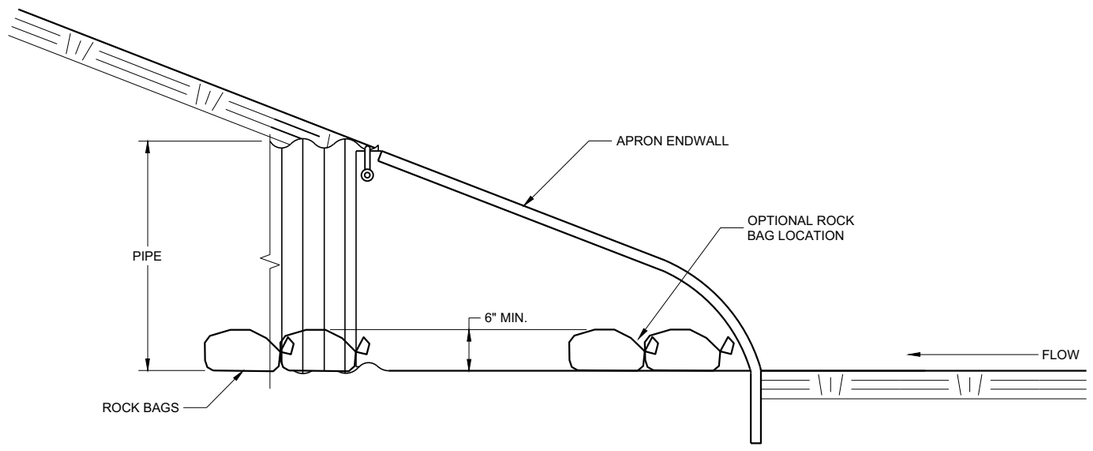
S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Daniel Schave
EROSION CONTROL ENGI

FHWA

6

SDD 08E15 - 01

6

SDD 08E15 - 01

METAL APRON ENDWALLS

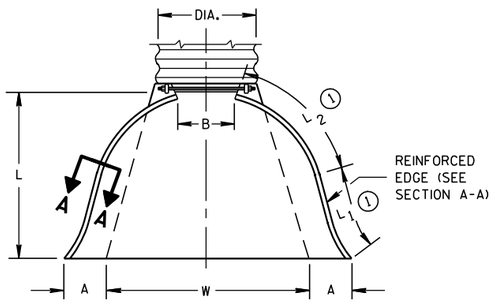
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

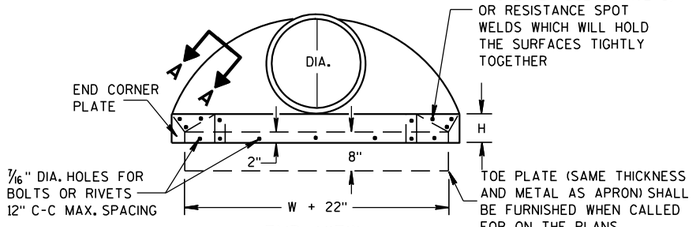
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

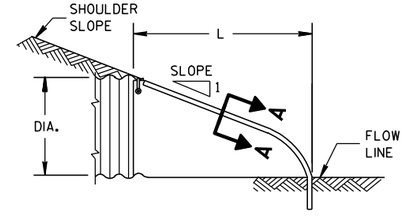
*MINIMUM
**MAXIMUM



PLAN VIEW

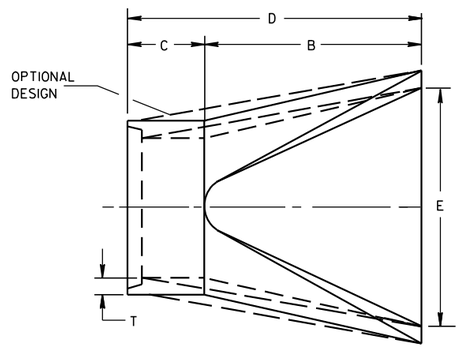


END VIEW

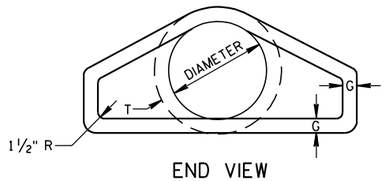


SIDE ELEVATION

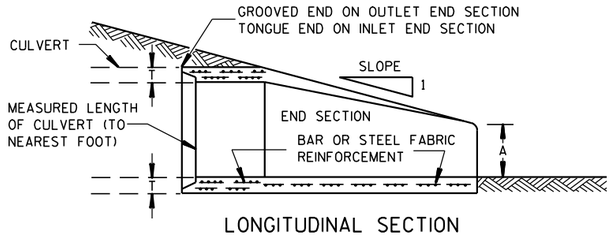
METAL ENDWALLS



PLAN

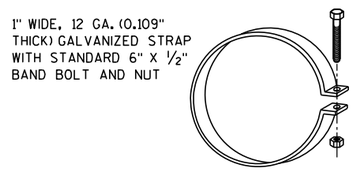


END VIEW



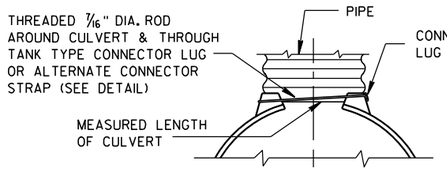
LONGITUDINAL SECTION

CONCRETE ENDWALLS

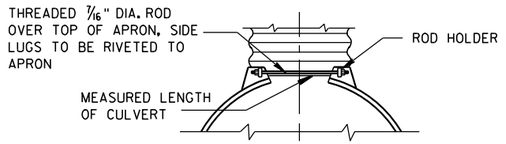


ALTERNATE FOR TYPE 1 CONNECTION

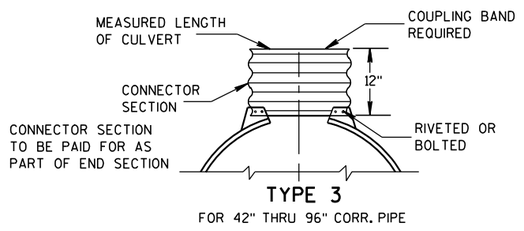
END SECTION CONNECTOR STRAP



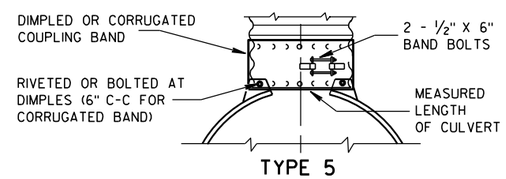
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

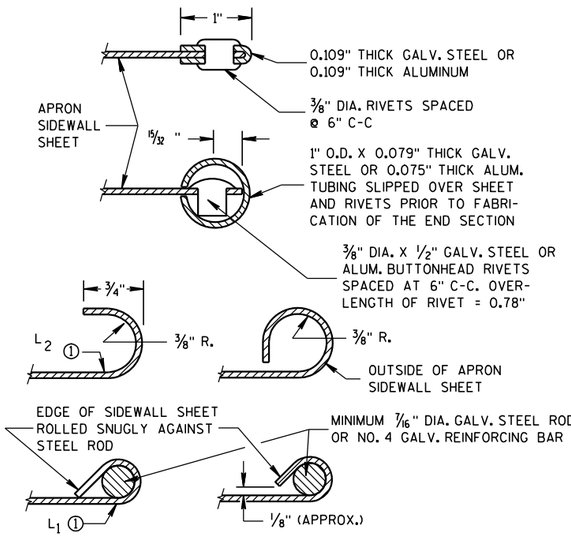
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

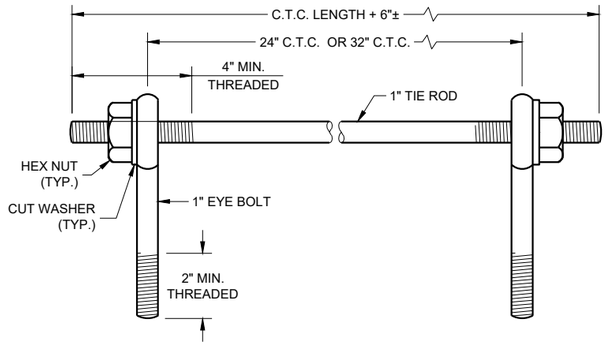
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

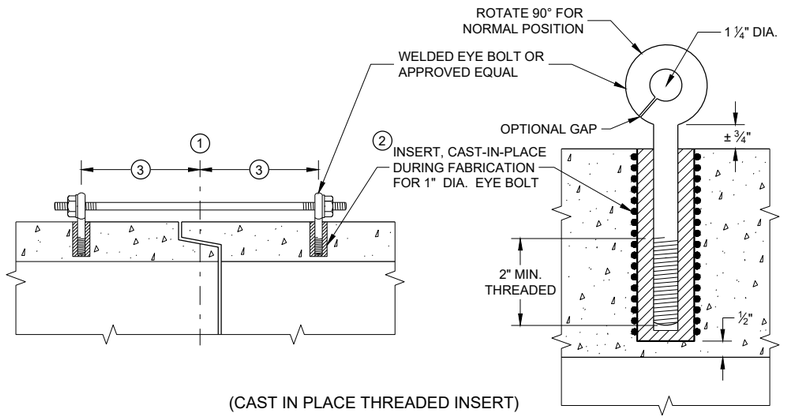
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

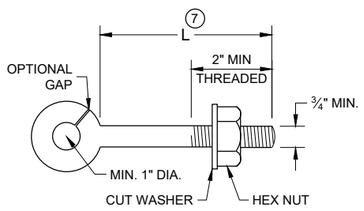
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

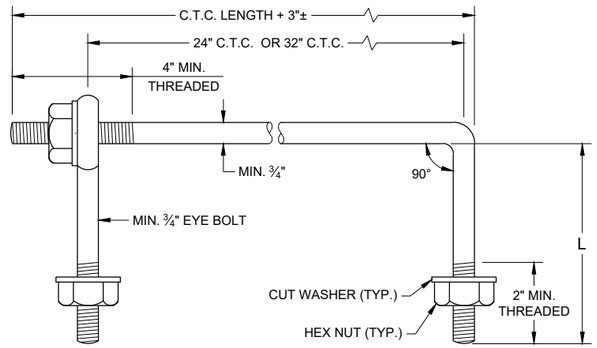
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

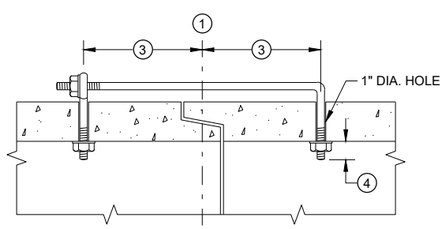


EYE BOLT (7)

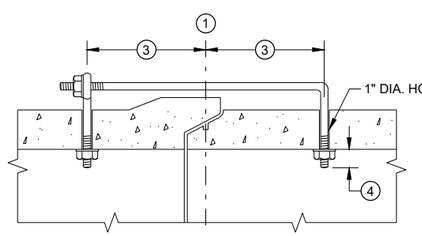
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

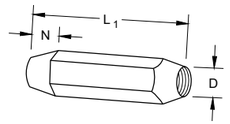
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

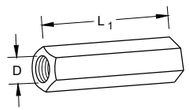
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



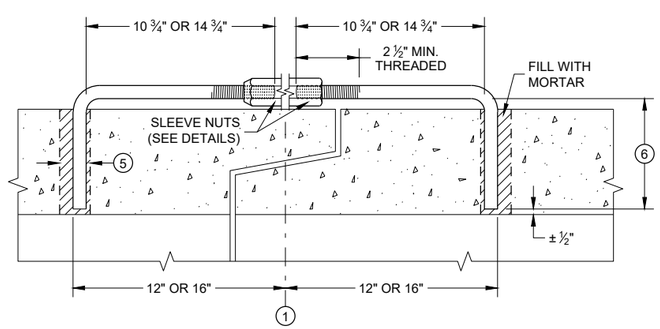
TAPERED



PLAIN

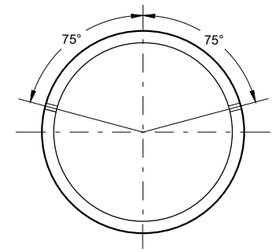
RIGHT AND LEFT THREADS

SLEEVE NUTS



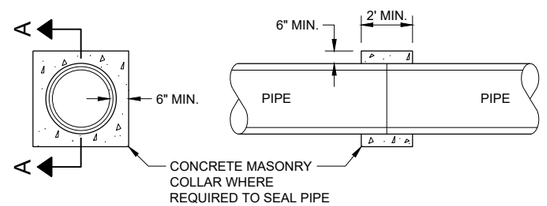
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

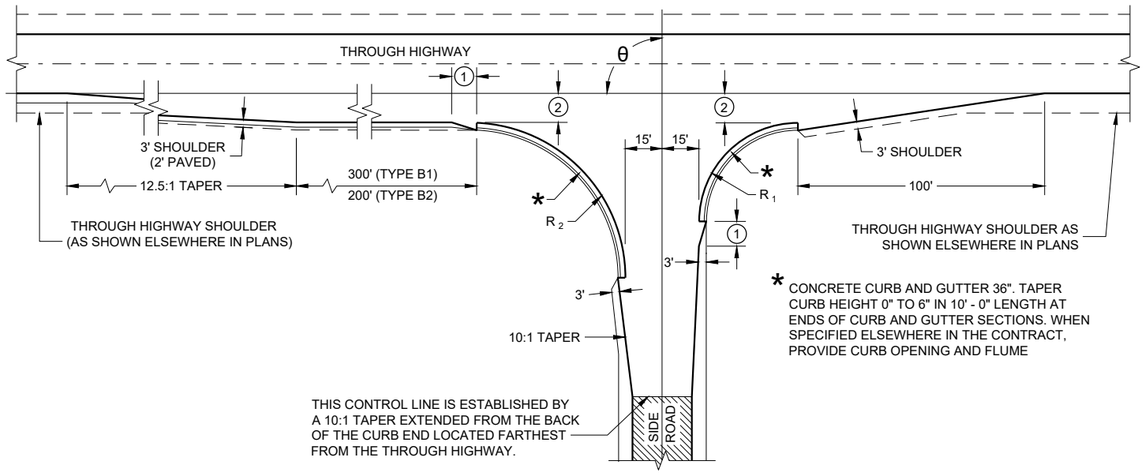
CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER
FHWA

6
SDD 08F04 - 08



* CONCRETE CURB AND GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10' - 0" LENGTH AT ENDS OF CURB AND GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME

TYPE "B1" AND "B2"

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65 - 70	35	70
71 - 80	40	70
81 - 90	40	60
91 - 100	50	55
101 - 110	60	45

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

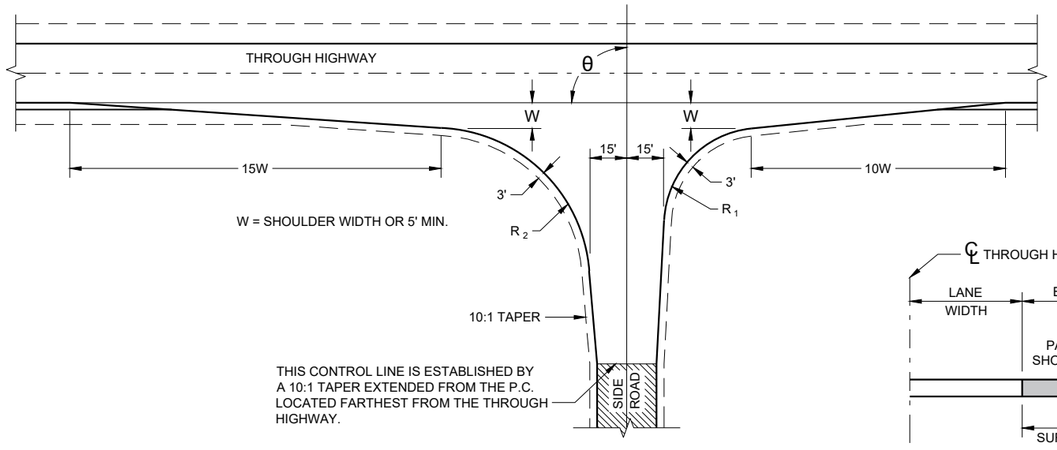
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

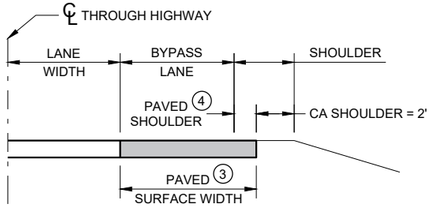
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
- ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH
- PC CONCRETE = 13-FT PLUS PAVED SHOULDER WIDTH

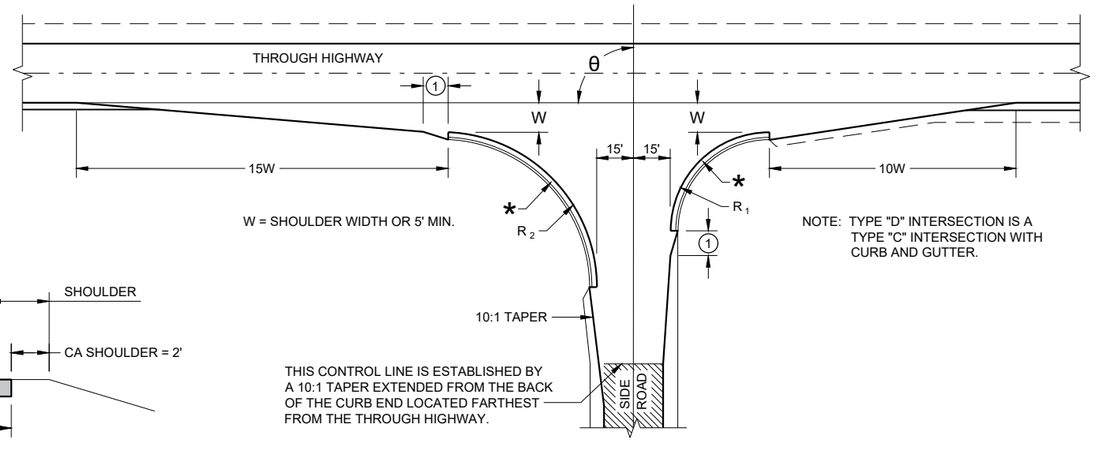
(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



TYPE "C"

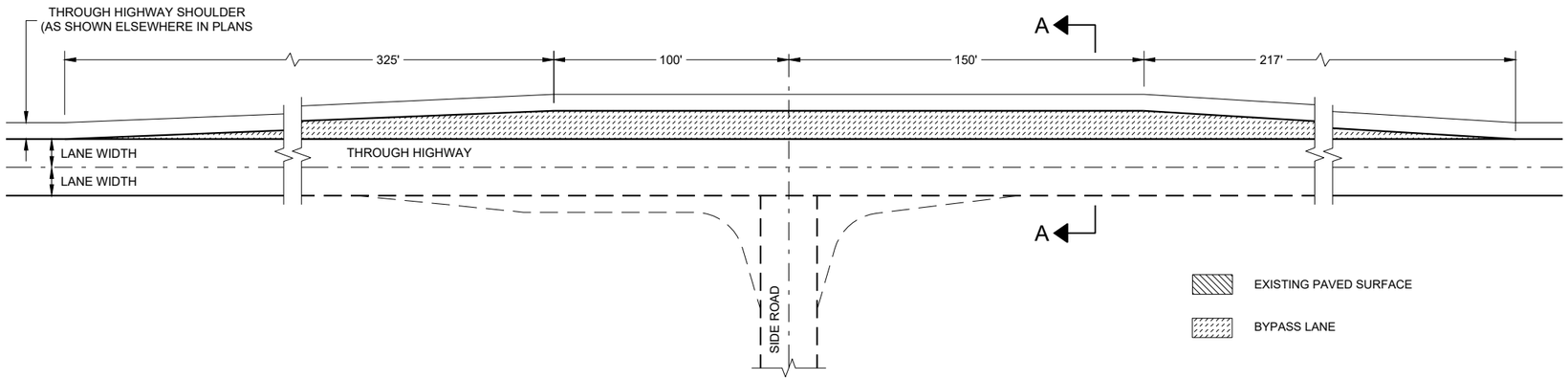


SECTION A - A
(SHOWING BYPASS LANE AND SHOULDER)



NOTE: TYPE "D" INTERSECTION IS A TYPE "C" INTERSECTION WITH CURB AND GUTTER.

TYPE "D"



TEE INTERSECTION BYPASS LANE DETAIL

AT GRADE SIDE ROAD INTERSECTION TYPES "B1", "B2", "C", "D" AND TEE INTERSECTION BYPASS LANE

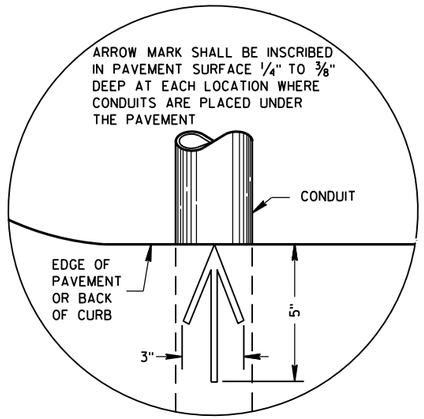
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 09A01 - 14a

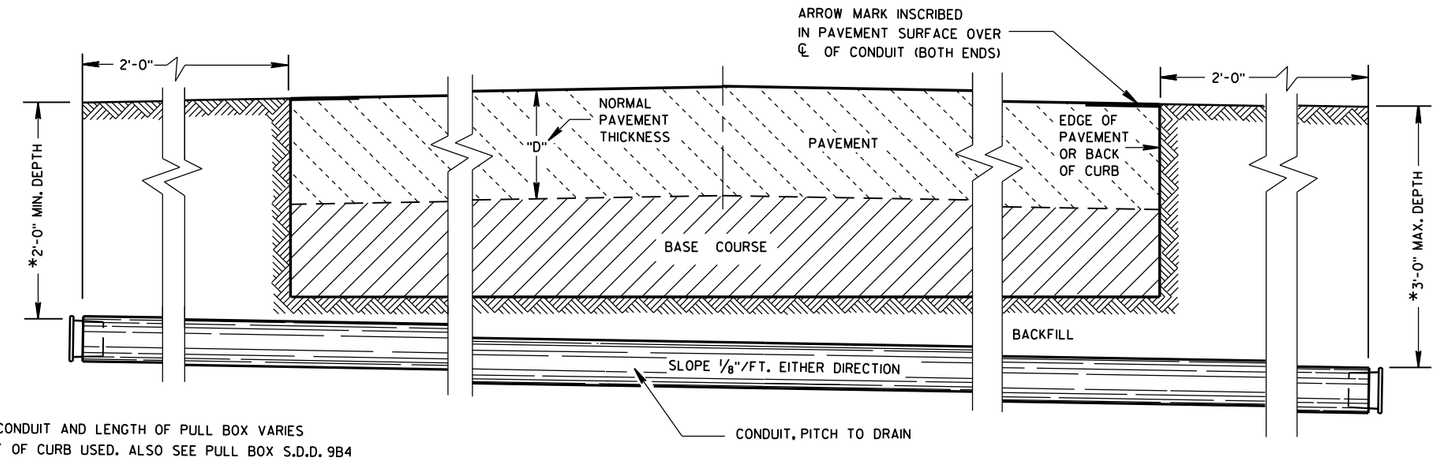
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SDD 09A01 - 14a



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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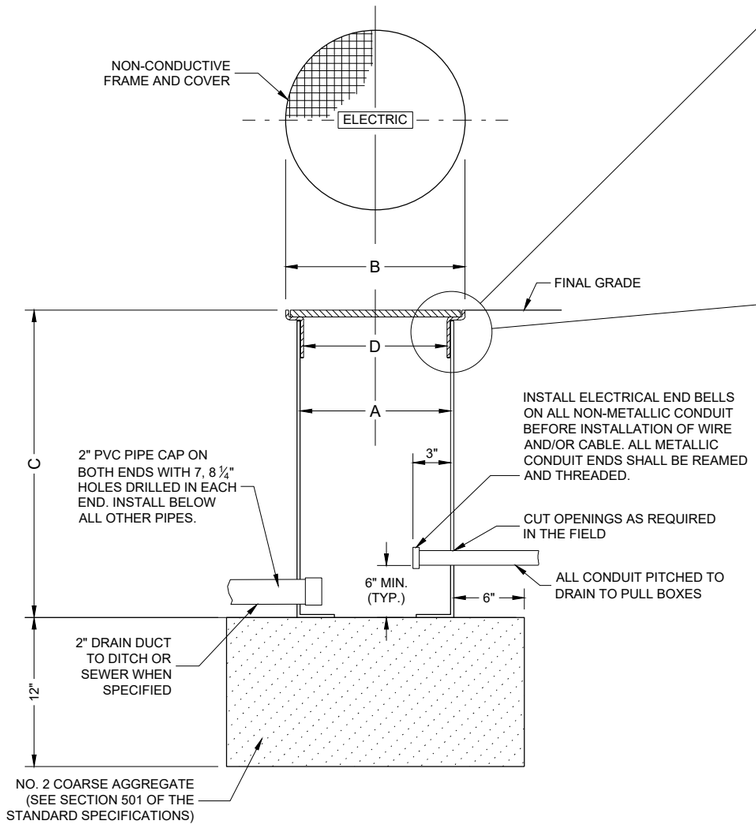
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

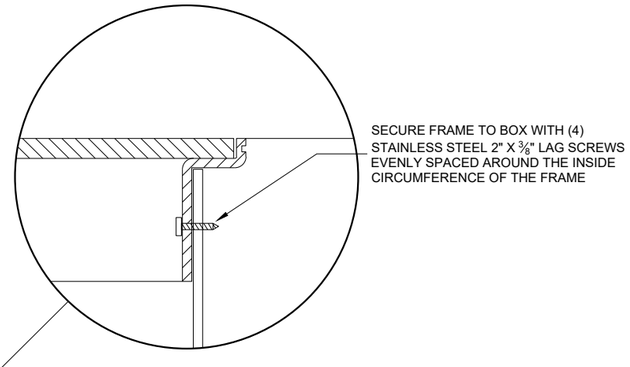
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 ½	22 ½
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

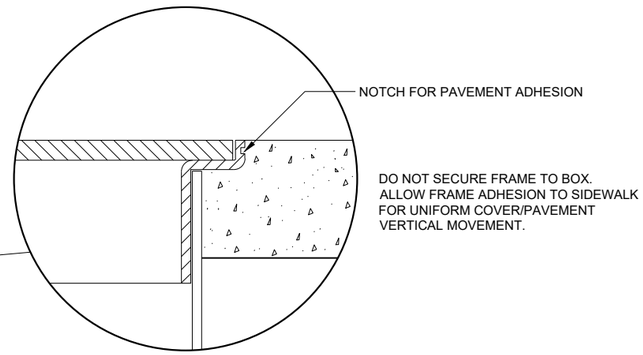
** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE.



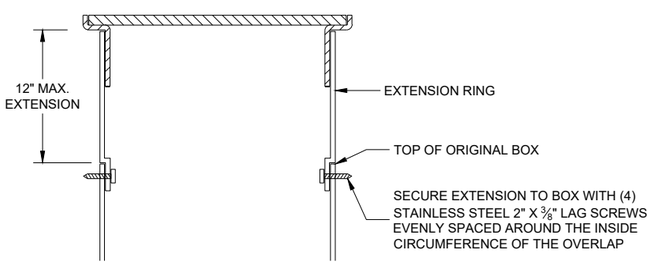
NON-CONDUCTIVE PULL BOX



INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



BOX EXTENSION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN ½" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN ¼".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

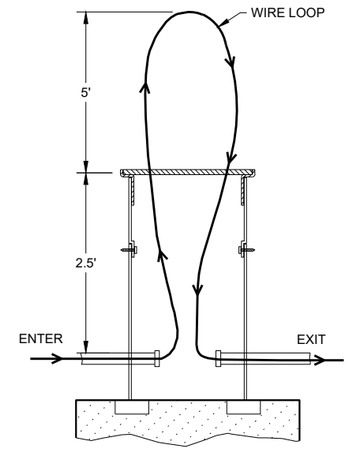
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE.

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

PULL BOXES NON-CONDUCTIVE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

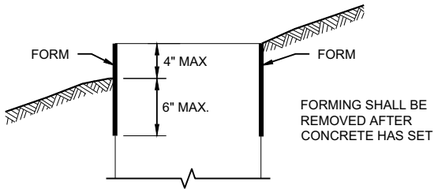
APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 291

FHWA

6
SDD 09B16 - 02

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

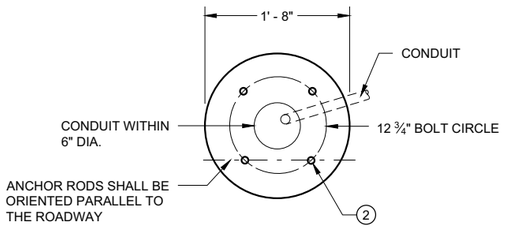
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

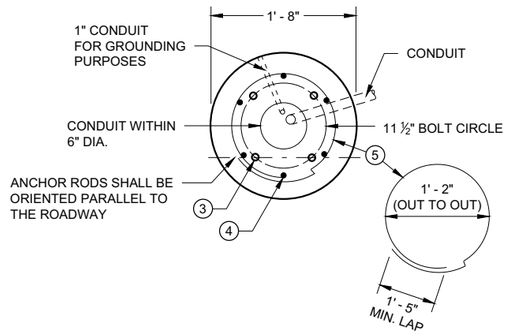
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

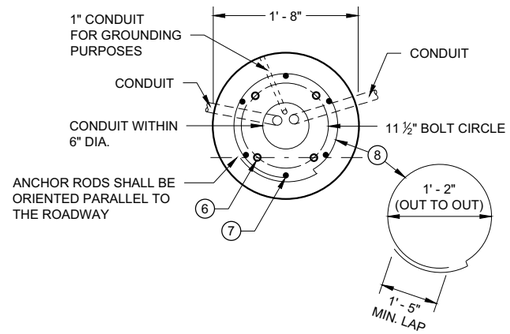
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

4 (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

7 (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

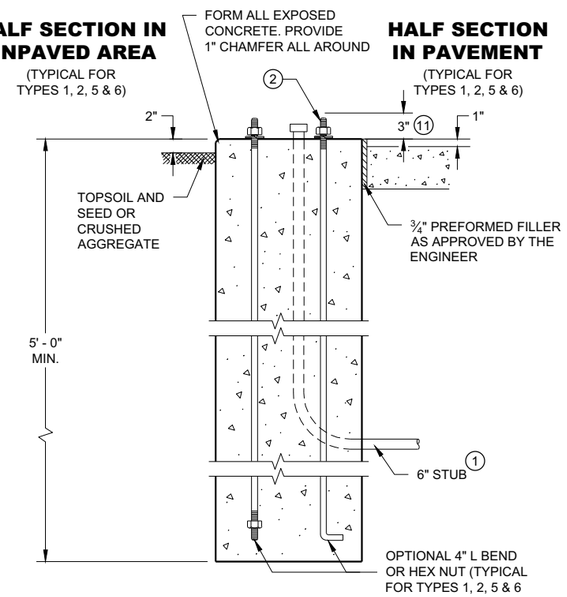
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

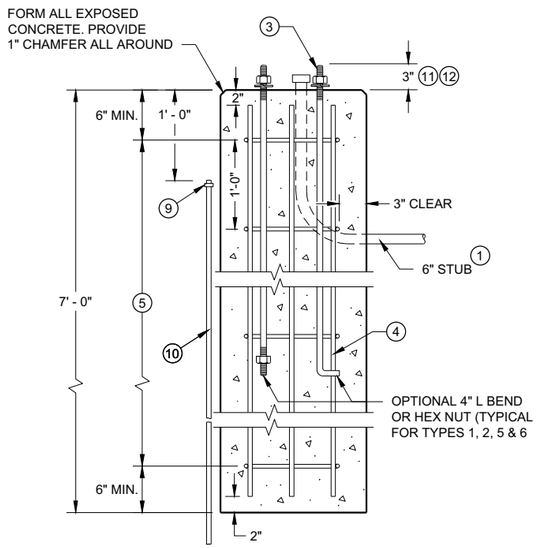
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

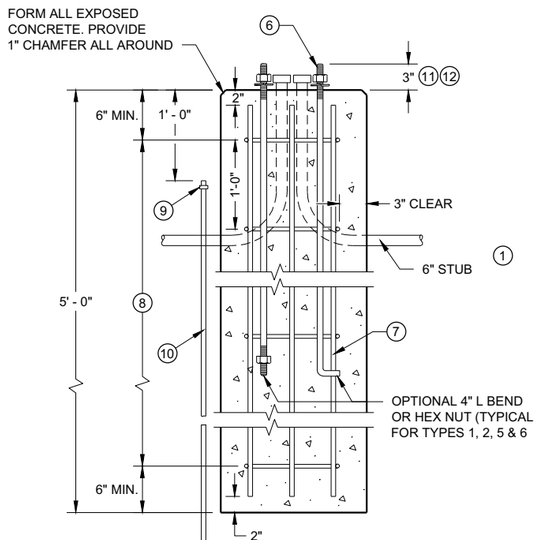
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 292

FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

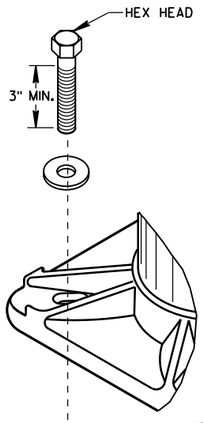
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

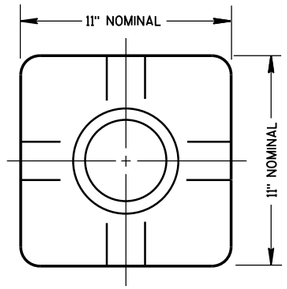
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

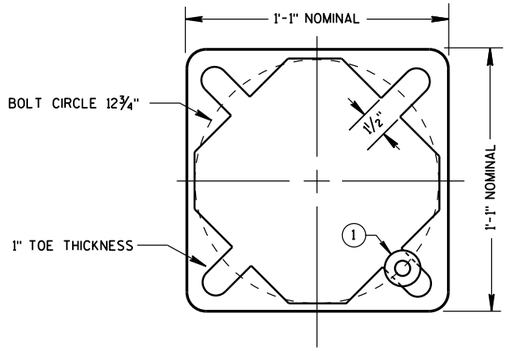
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

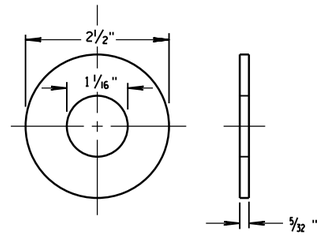




TOP VIEW
(PEDESTAL BASE)

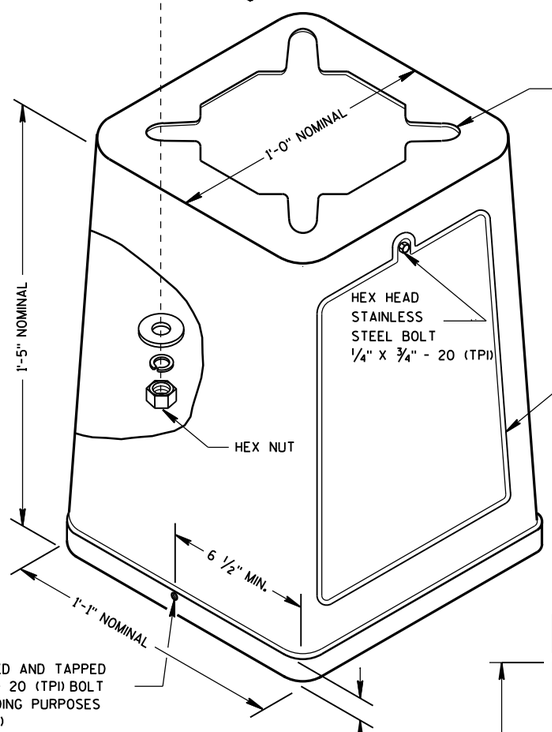


BOTTOM VIEW
(PEDESTAL BASE)

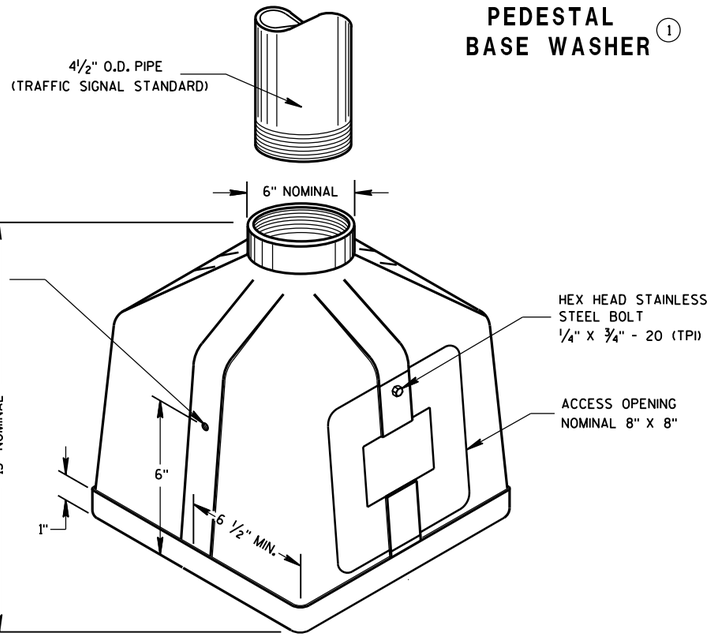


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

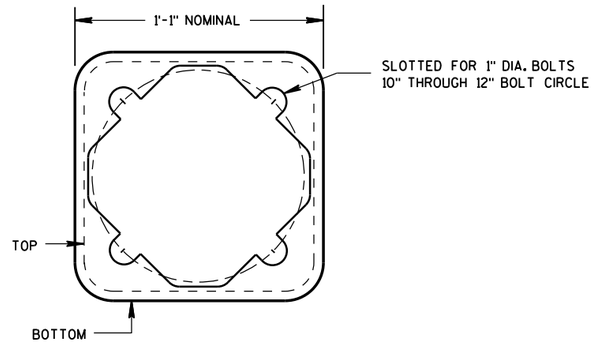
PEDESTAL BASE WASHER (1)



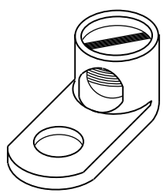
ISOMETRIC VIEW



ISOMETRIC VIEW
PEDESTAL BASE

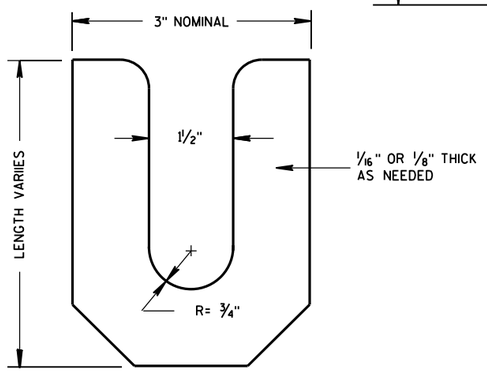


BOTTOM VIEW
(TRANSFORMER BASE)



TYPICAL MECHANICAL CONNECTOR LUG
TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE
INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

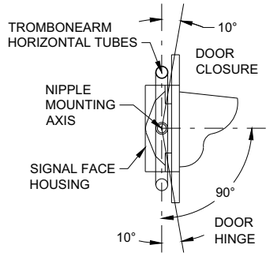
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

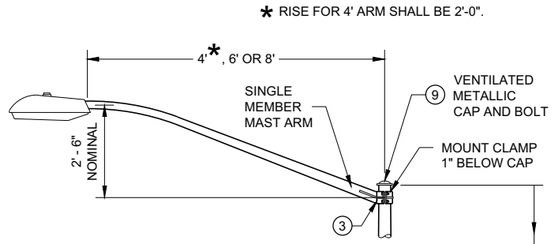
S.D.D. 9 C 3-4

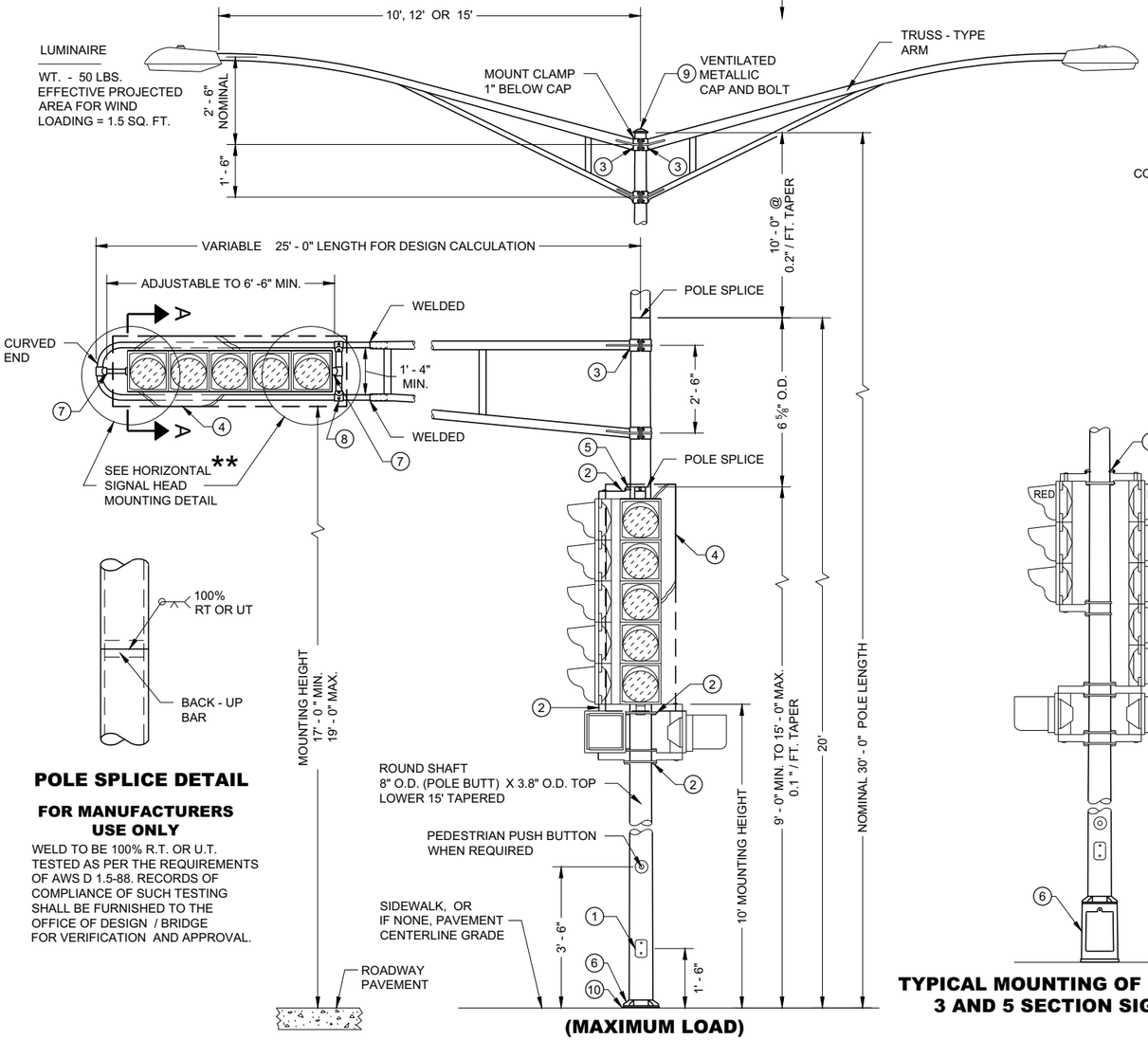
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S.D.D. 9 C 3-4



SECTION A-A



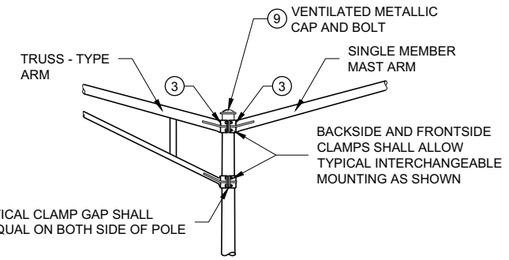


POLE SPLICE DETAIL

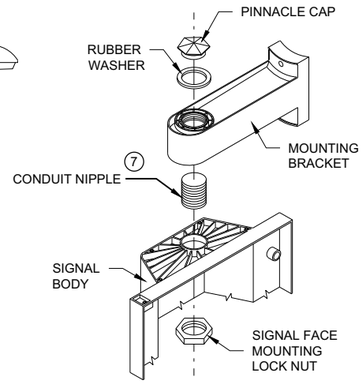
FOR MANUFACTURERS USE ONLY

WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.

(MAXIMUM LOAD)

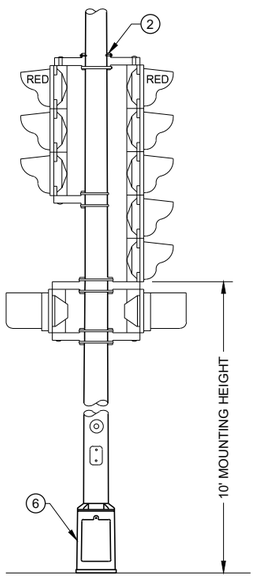


INTERCHANGEABLE MOUNTING DETAIL

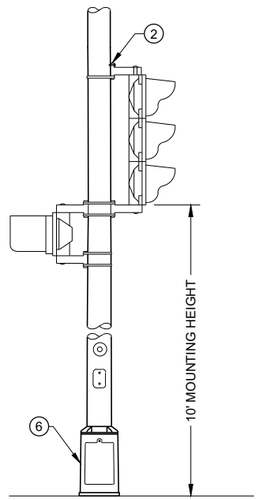


SIGNAL FACE MOUNTING DETAIL

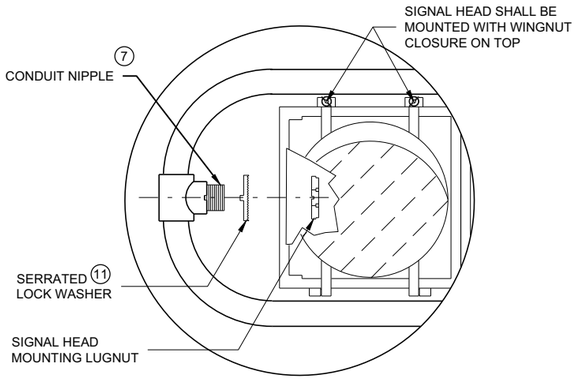
(BANDED)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD ** MOUNTING DETAIL

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

TYPE 3 POLE MOUNTING CONFIGURATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL TYPE 3 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 3/8 INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 3/8" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED. UNDER MAX LOADING, TYPE 3 POLE SHALL BE MOUNTED DIRECTLY TO ITS CONCRETE BASE.

(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUT IS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

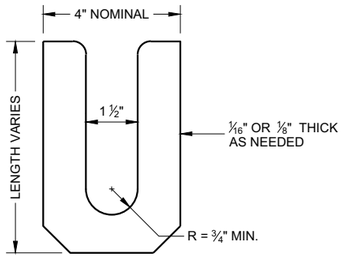
(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS TYPE 3 (HEAVY DUTY)

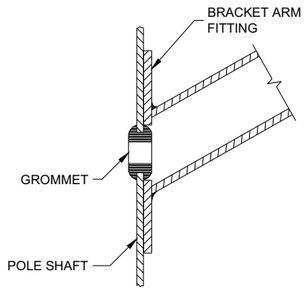
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

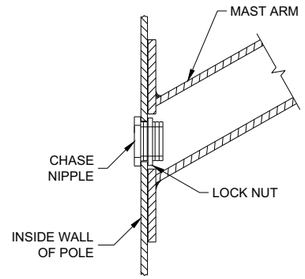
SDD 09E01 - 15b



LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

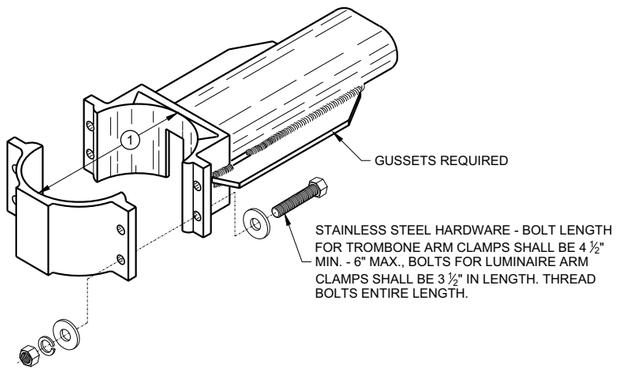
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

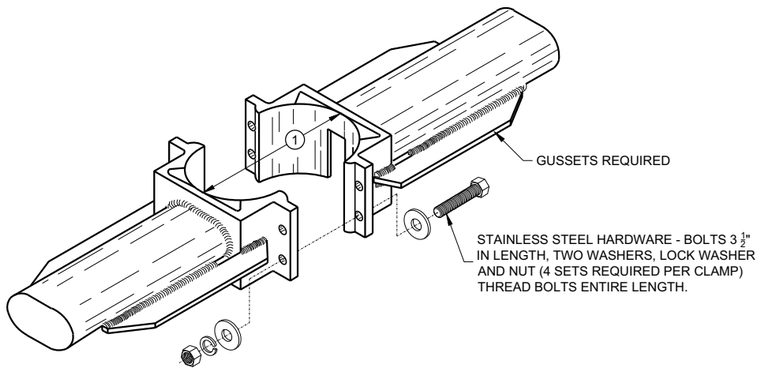
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

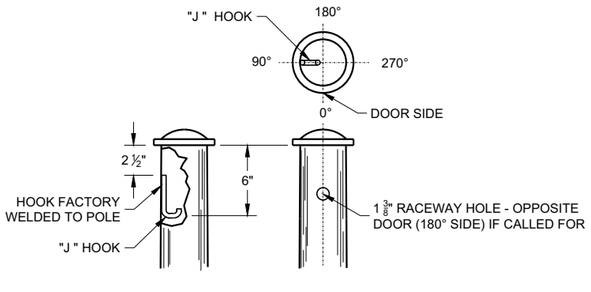
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



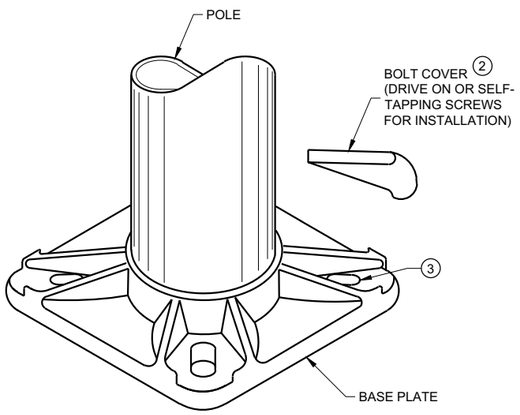
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



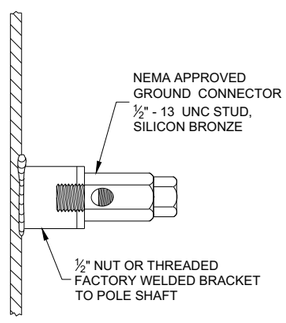
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

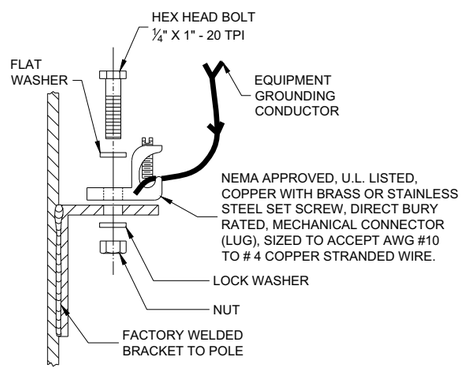


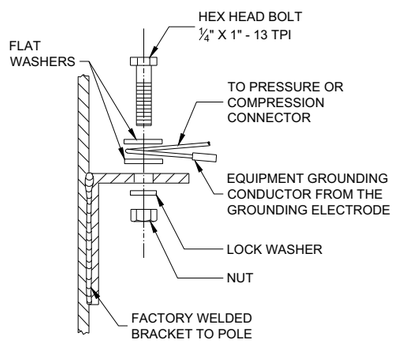
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
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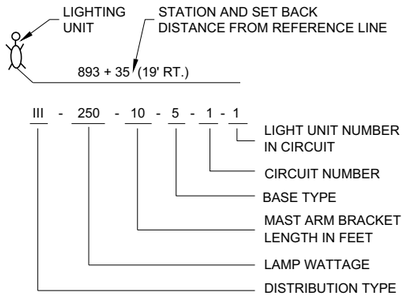
SDD 09E01 - 15g

GENERAL NOTES

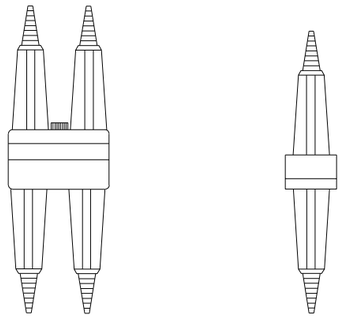
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

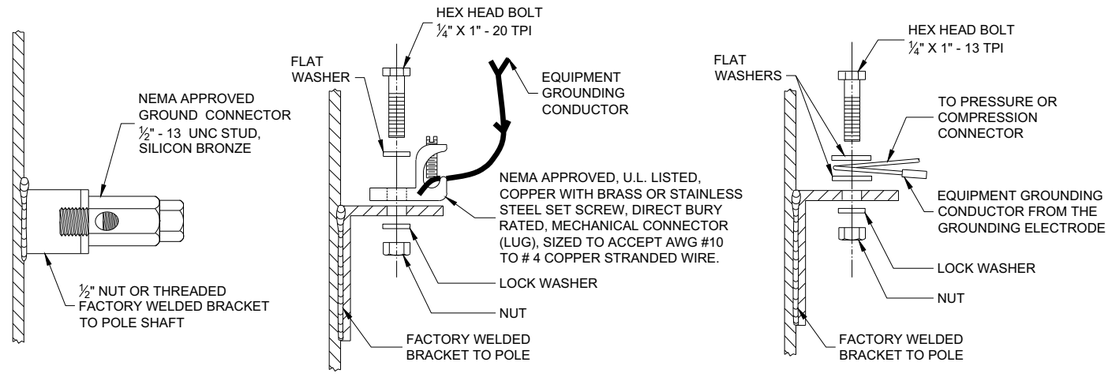


LIGHTING UNIT CODE
(TYPICAL)

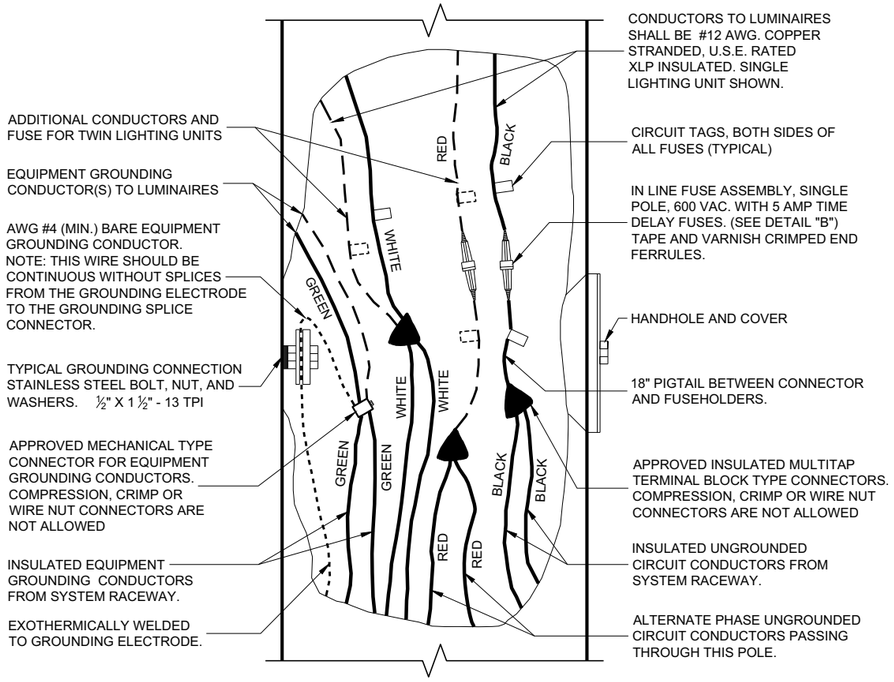


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

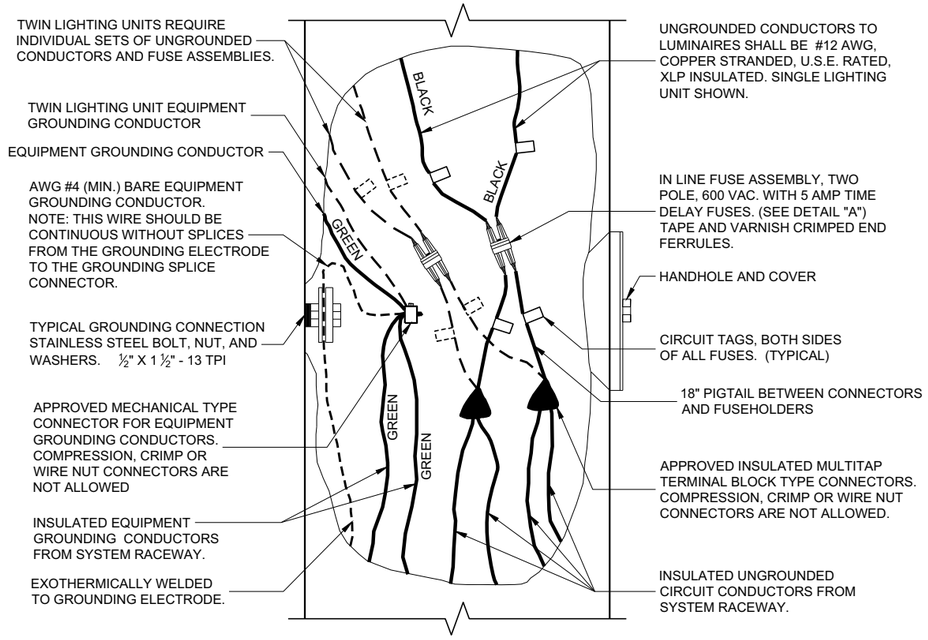
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



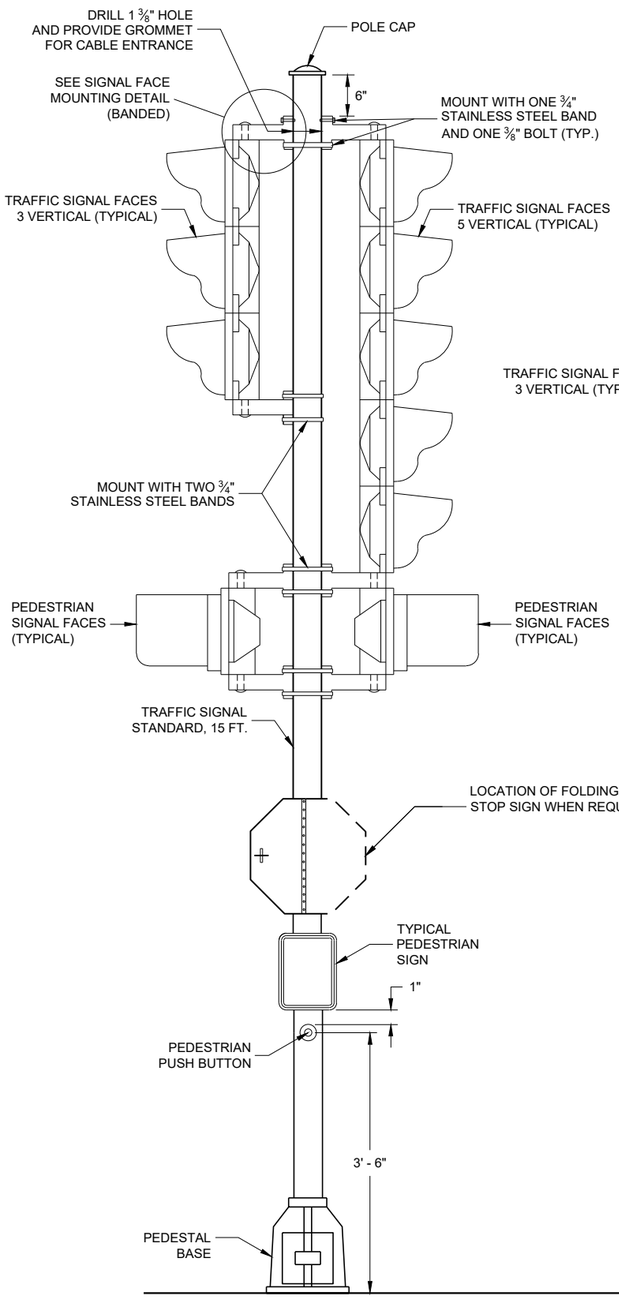
2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

NON - FREEWAY LIGHTING UNIT POLE WIRING

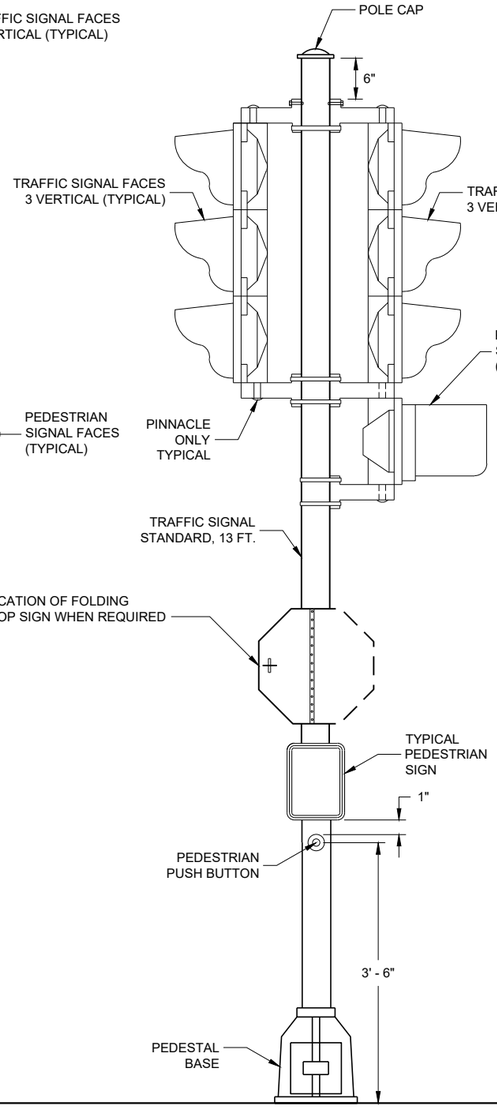
STATE OF WISCONSIN
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APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 296

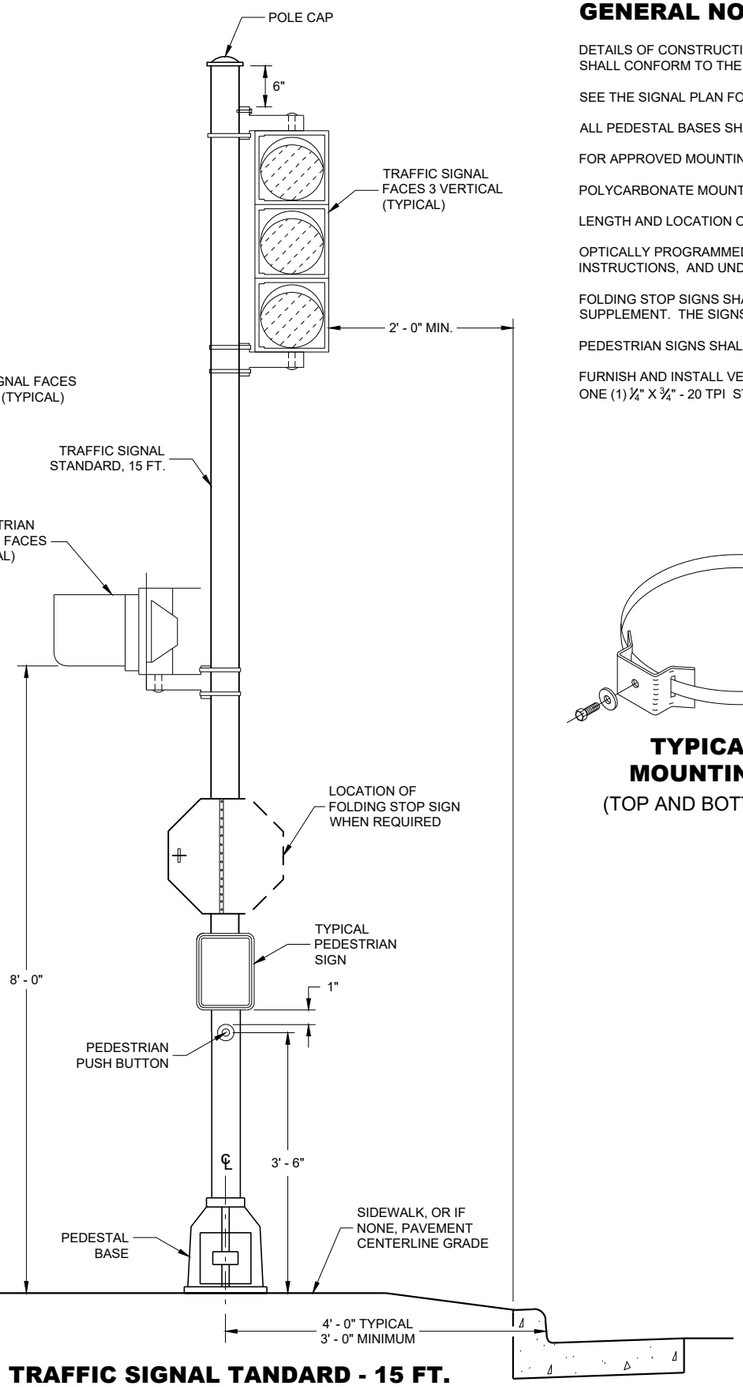
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TRAFFIC SIGNAL STANDARD - 15 FT.



TRAFFIC SIGNAL STANDARD - 13 FT.



TRAFFIC SIGNAL TANDARD - 15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

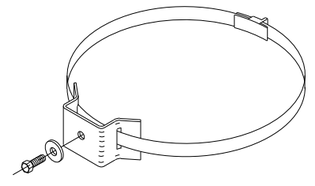
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

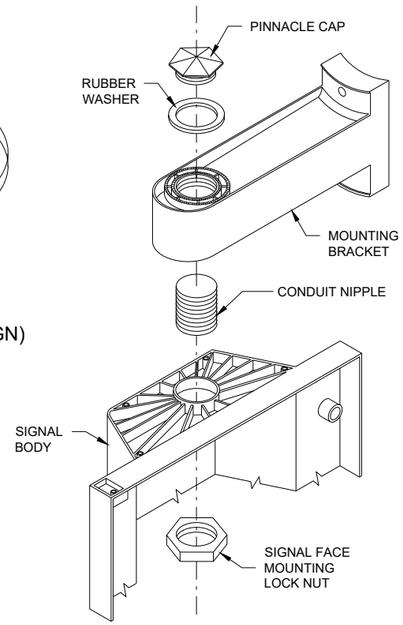
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1/4" X 3/4" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



SIGNAL FACE MOUNTING DETAIL (BANDED)

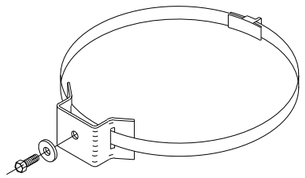
TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
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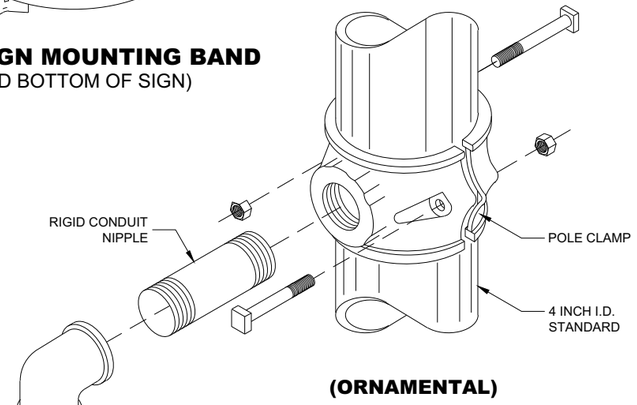
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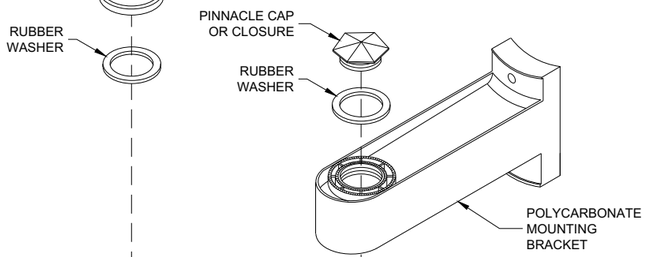
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SDD 09E06 - 05



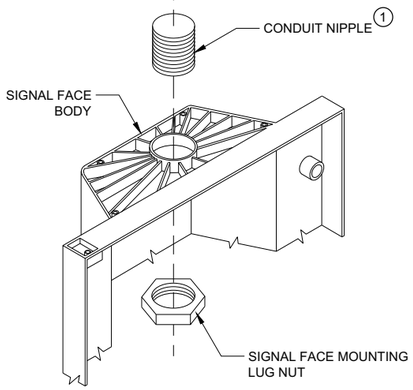
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



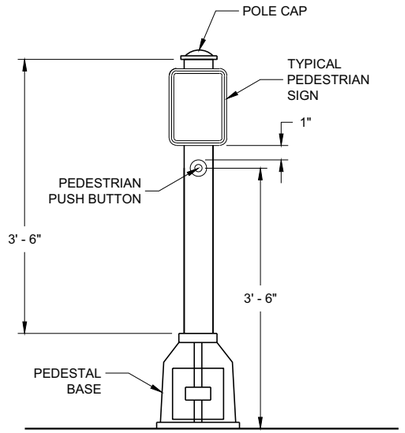
(ORNAMENTAL)



(BANDED)



SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

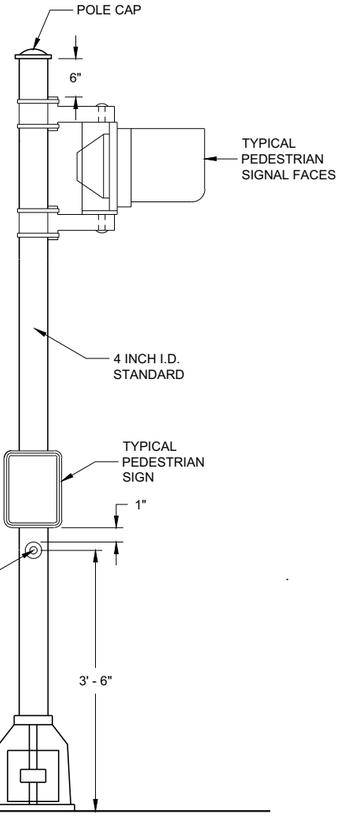
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

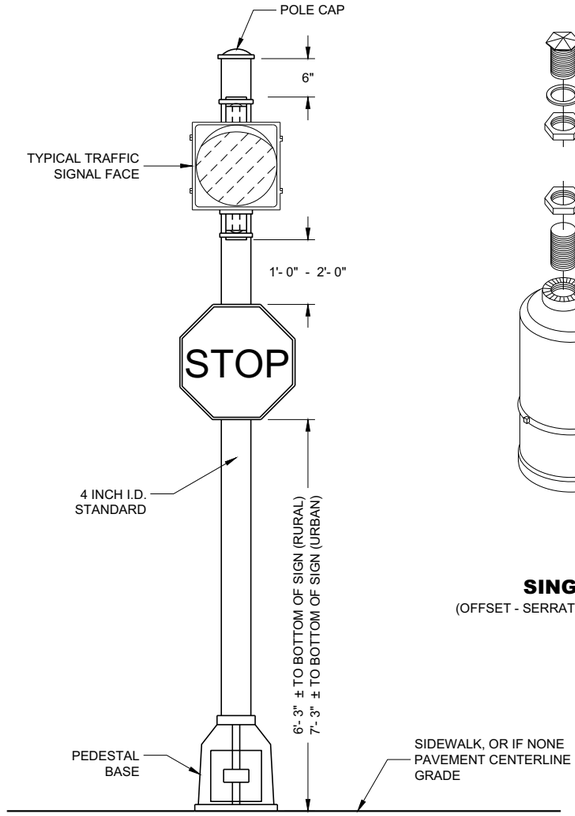
PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

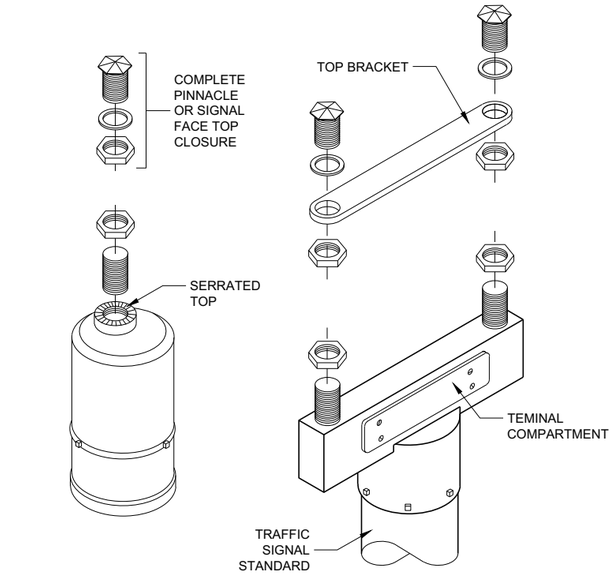
(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD
PEDESTRIAN AND FLASHER
TYPICAL MOUNTING DETAILS

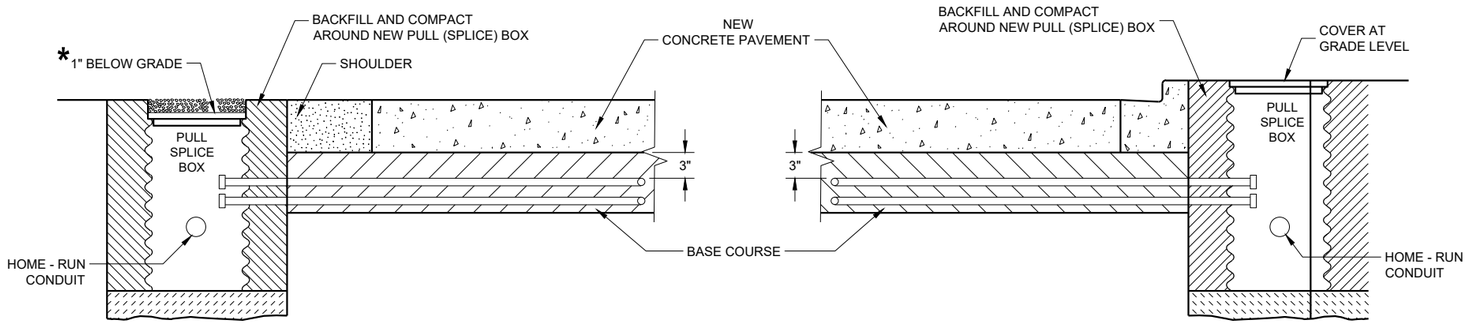
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 298

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SECTION A - A
NO CURB AND GUTTER

SECTION B - B
CURB AND GUTTER

* RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

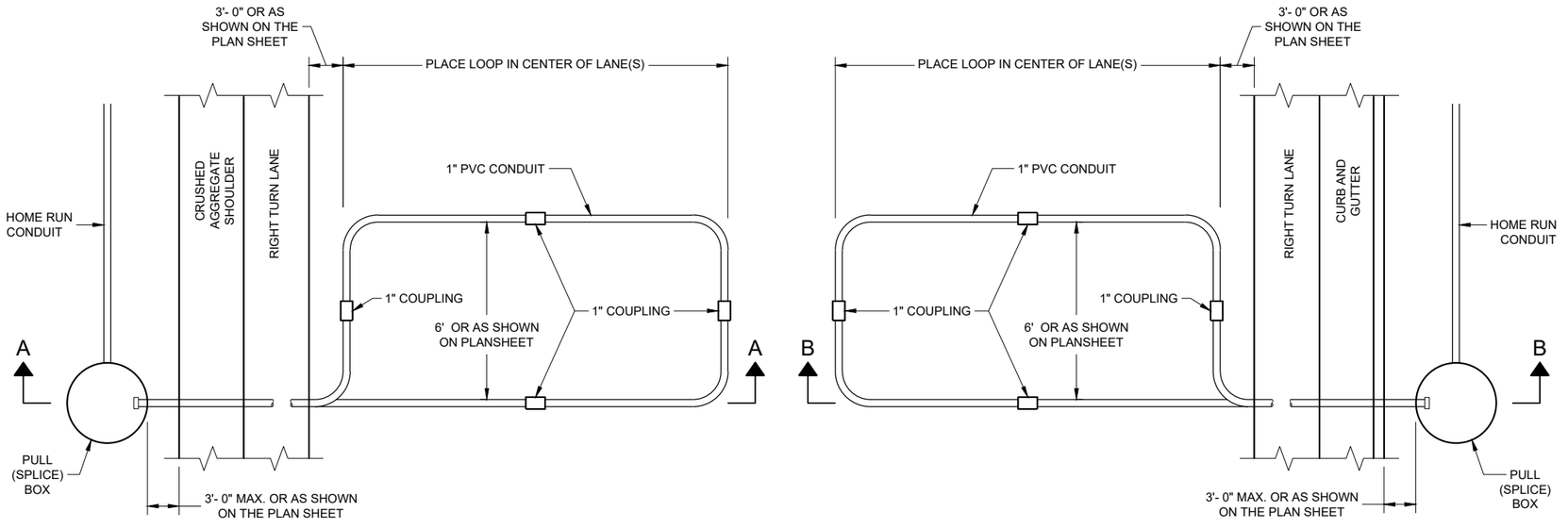
THE #12 AWG LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

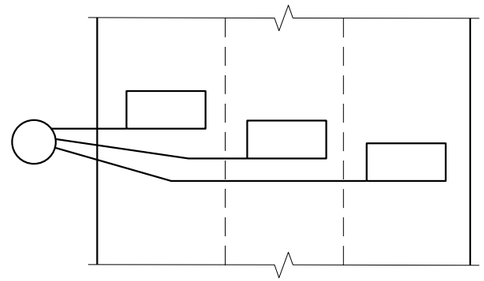
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE
/S/ Ahmet Demirbilek
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SDD 09F15 - 04b

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

USE THIS DETAIL IN CONJUNCTION WITH THE DETAIL FOR ELECTRICAL HANDHOLE WIRING, SDD10A01.

USE TIME DELAY FUSE PER LUMINAIRE MANUFACTURER RECOMMENDATION.

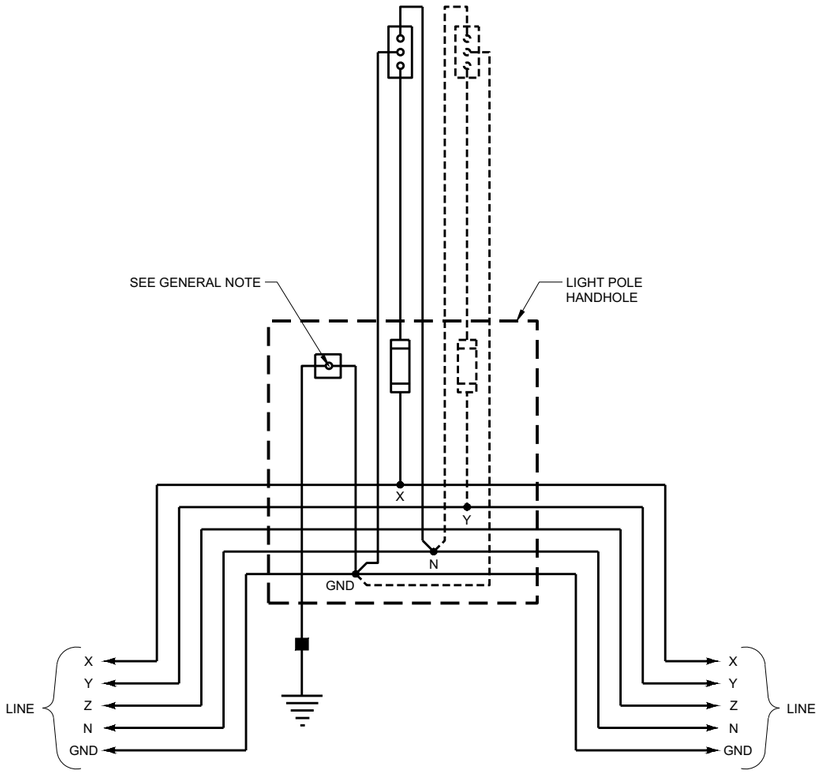
THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLD GROUNDING LUG TO THE CONNECTOR.

WIRING FOR SINGLE LUMINAIRE POLES IS SHOWN WITH SOLID LINES. WIRING FOR THE SECOND LUMINAIRE OF TWIN LUMINAIRE POLES IS SHOWN WITH DOTTED LINES.

THE PLANS WILL SHOW WHICH CIRCUIT LEG(S) ARE CONNECTED TO EACH INSTALLATION.

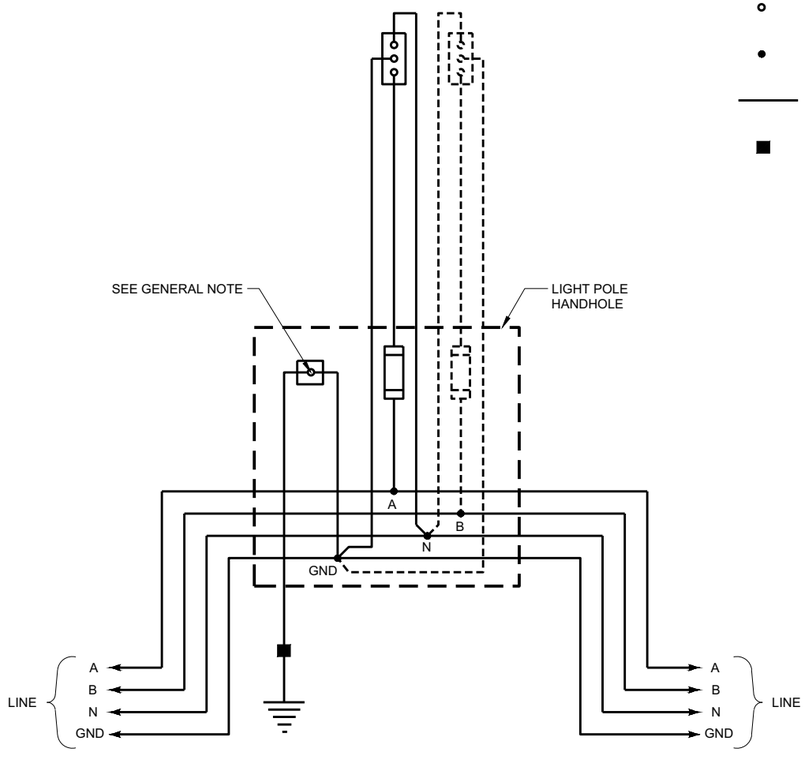
LEGEND

A,B,X,Y,Z	UNGROUNDED CIRCUIT CONDUCTORS
N	GROUNDED CIRCUIT CONDUCTORS
GND	EQUIPMENT GROUNDING CONDUCTOR
P	POLE (ELECTRICAL CIRCUIT)
ϕ	PHASE (ELECTRICAL CURRENT)
	HANDHOLE GROUND LUG
	SINGLE-POLE (1P) FUSE ASSEMBLY
	UNFUSED LUMINAIRE
	EQUIPMENT GROUNDING ELECTRODE
	TERMINAL
	SPLICE
	CONDUCTOR
	EXOTHERMIC WELD



TYPICAL WIRING DIAGRAM

ISOLATED NEUTRAL SYSTEM
3 - ϕ 208Y / 120VAC OR 480Y / 277VAC 4 WIRE



TYPICAL WIRING DIAGRAM

ISOLATED NEUTRAL SYSTEM
1 - ϕ 120 / 240VAC OR 240 / 480VAC 3 WIRE

ELECTRICAL DETAILS
GROUND MOUNT LIGHT POLES
ISOLATED NEUTRAL SYSTEM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
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/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 300

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SDD 10A05 - 03

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SDD 10A05 - 03

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

USE THIS DETAIL IN CONJUNCTION WITH THE DETAIL FOR ELECTRICAL HANDHOLE WIRING, SDD10A01.

USE TIME DELAY FUSE PER LUMINAIRE MANUFACTURER RECOMMENDATION.

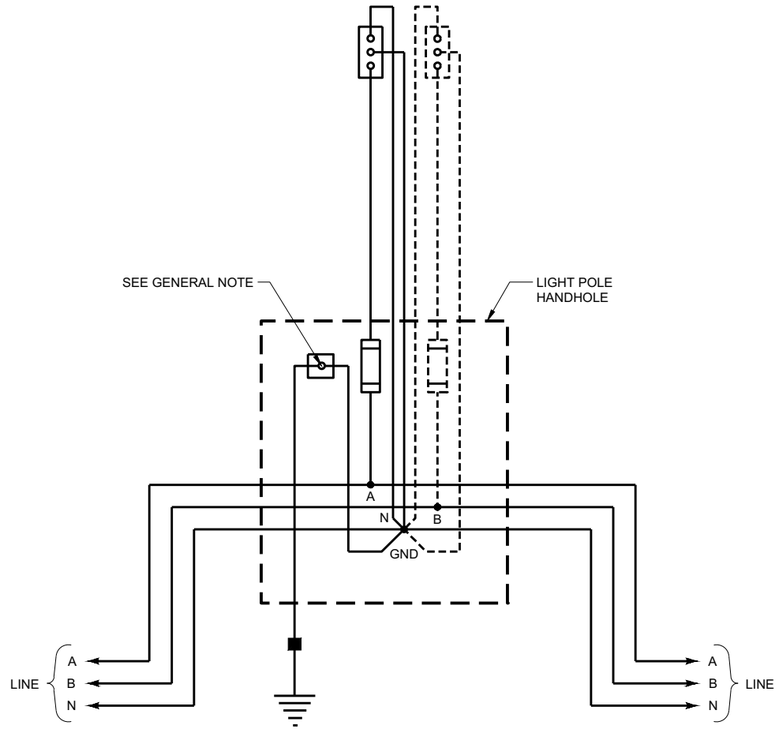
THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLD GROUNDING LUG TO THE CONNECTOR.

WIRING FOR SINGLE LUMINAIRE POLES IS SHOWN WITH SOLID LINES. WIRING FOR THE SECOND LUMINAIRE OF TWIN LUMINAIRE POLES IS SHOWN WITH DOTTED LINES.

THE PLANS WILL SHOW WHICH CIRCUIT LEG(S) ARE CONNECTED TO EACH INSTALLATION.

LEGEND

A,B,X,Y,Z	UNGROUNDED CIRCUIT CONDUCTORS
N	GROUNDED CIRCUIT CONDUCTORS
GND	EQUIPMENT GROUNDING CONDUCTOR
P	POLE (ELECTRICAL CIRCUIT)
ϕ	PHASE (ELECTRICAL CURRENT)
	HANDHOLE GROUND LUG
	SINGLE-POLE (1P) FUSE ASSEMBLY
	UNFUSED LUMINAIRE
	EQUIPMENT GROUNDING ELECTRODE
	TERMINAL
	SPLICE
	CONDUCTOR
	EXOTHERMIC WELD



TYPICAL WIRING DIAGRAM

GROUNDED NEUTRAL SYSTEM
1 - ϕ 240 / 480VAC 3 WIRE OR 480VAC 2 WIRE

ELECTRICAL DETAILS
GROUND MOUNT LIGHT POLES
GROUNDED NEUTRAL SYSTEM

STATE OF WISCONSIN
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November 2018
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SDD 10A06 - 03

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

USE THIS DETAIL IN CONJUNCTION WITH THE DETAIL FOR ELECTRICAL HANDHOLE WIRING, SDD10A01.

USE TIME DELAY FUSE PER LUMINAIRE MANUFACTURER RECOMMENDATION.

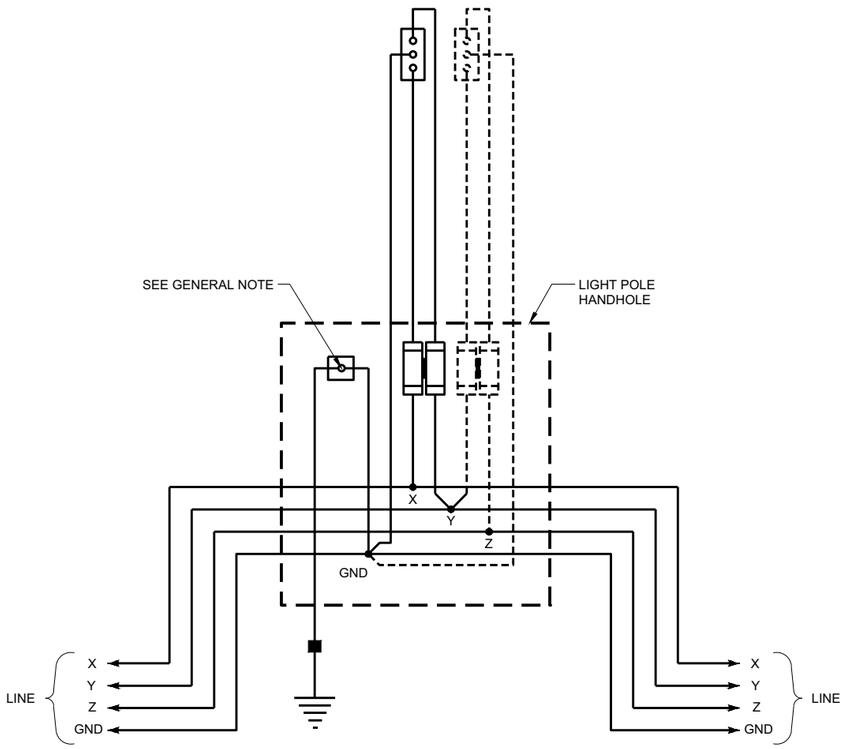
THE GROUNDING ELECTRODE CONDUCTOR SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE GROUNDING ELECTRODE THROUGH THE HANDHOLD GROUNDING LUG TO THE CONNECTOR.

WIRING FOR SINGLE LUMINAIRE POLES IS SHOWN WITH SOLID LINES. WIRING FOR THE SECOND LUMINAIRE OF TWIN LUMINAIRE POLES IS SHOWN WITH DOTTED LINES.

THE PLANS WILL SHOW WHICH CIRCUIT LEG(S) ARE CONNECTED TO EACH INSTALLATION.

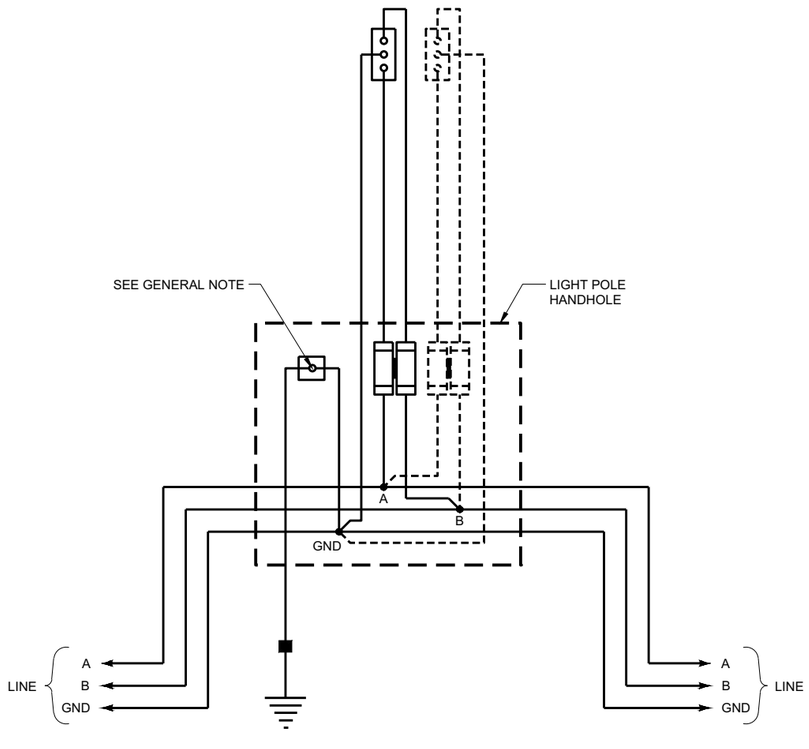
LEGEND

A,B,X,Y,Z	UNGROUNDED CIRCUIT CONDUCTORS
N	GROUNDED CIRCUIT CONDUCTORS
GND	EQUIPMENT GROUNDING CONDUCTOR
P	POLE (ELECTRICAL CIRCUIT)
ϕ	PHASE (ELECTRICAL CURRENT)
	HANDHOLE GROUND LUG
	SINGLE-POLE (1P) FUSE ASSEMBLY
	TWO-POLE (2P) FUSE ASSEMBLY
	UNFUSED LUMINAIRE
	EQUIPMENT GROUNDING ELECTRODE
	TERMINAL
	SPLICE
	CONDUCTOR
	EXOTHERMIC WELD



TYPICAL WIRING DIAGRAM

PHASE - TO - PHASE DELTA SYSTEM
3 - ϕ 480VAC 3 WIRE



TYPICAL WIRING DIAGRAM

UNGROUNDED SYSTEM
1 - ϕ 120 - 120VAC 2 WIRE

ELECTRICAL DETAILS
GROUND MOUNT LIGHT POLES
PHASE - TO - PHASE SYSTEMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

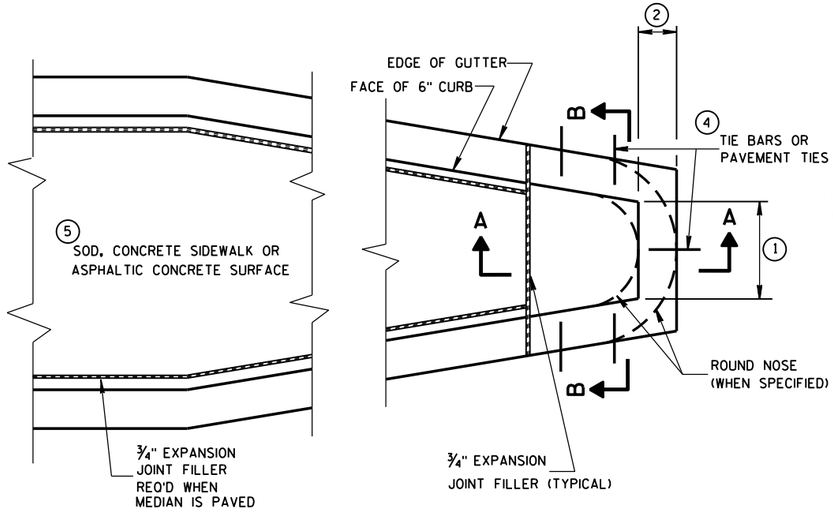
FHWA

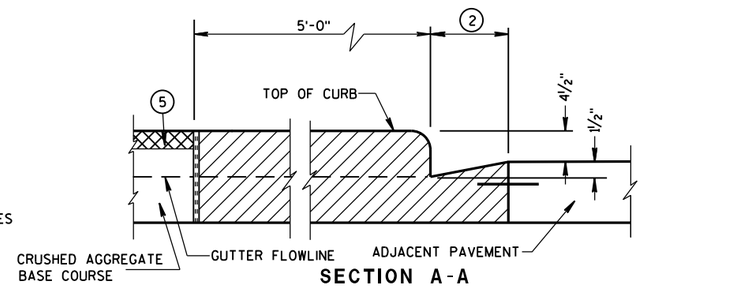
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SDD 10A07 - 03

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SDD 10A07 - 03





CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

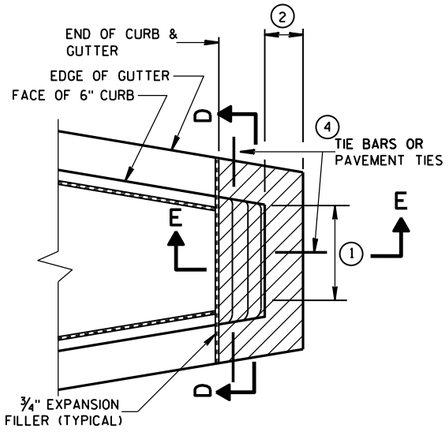
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

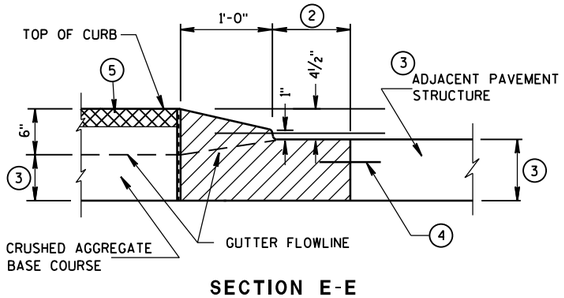
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

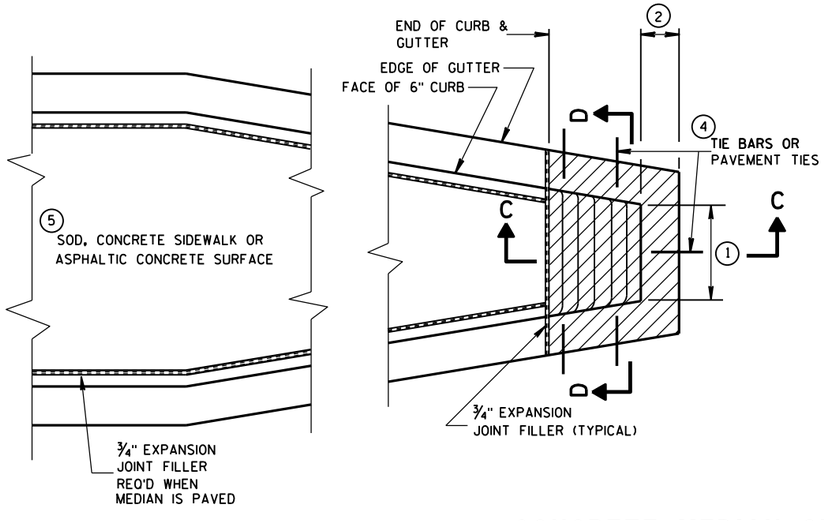
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

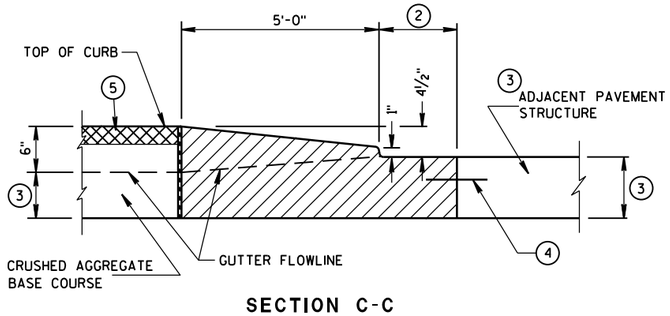
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



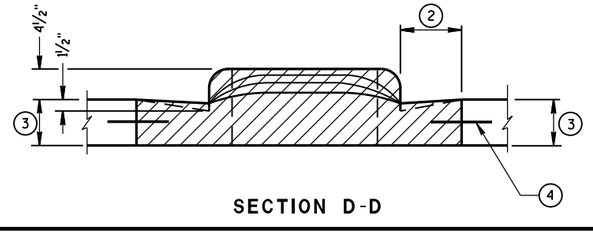


CONCRETE MEDIAN SLOPED NOSE TYPE 2

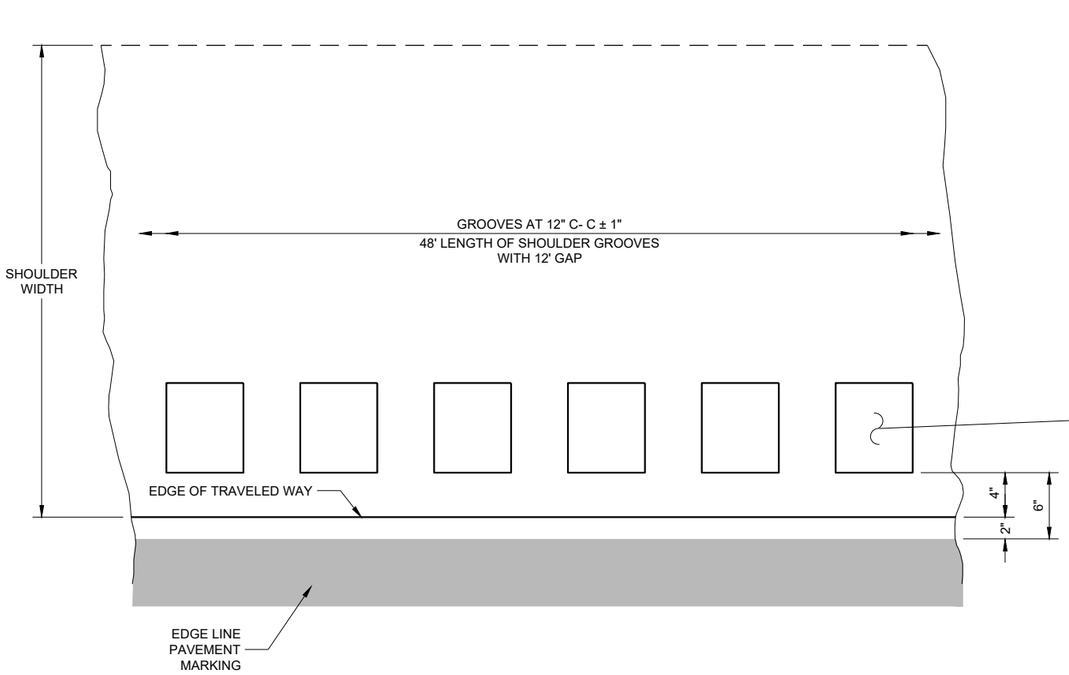




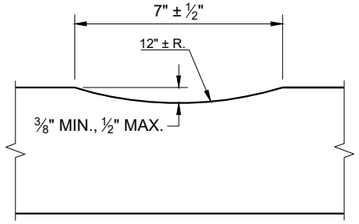
CONCRETE MEDIAN SLOPED NOSE TYPE 1



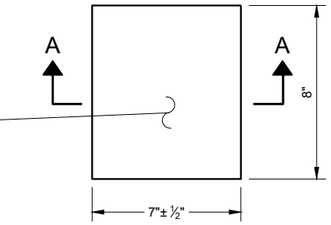
CONCRETE MEDIAN NOSE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 6/8/2006 DATE FHWA	/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER



PLAN DETAIL VIEW
SHOULDER WITH GROOVES



SECTION A - A

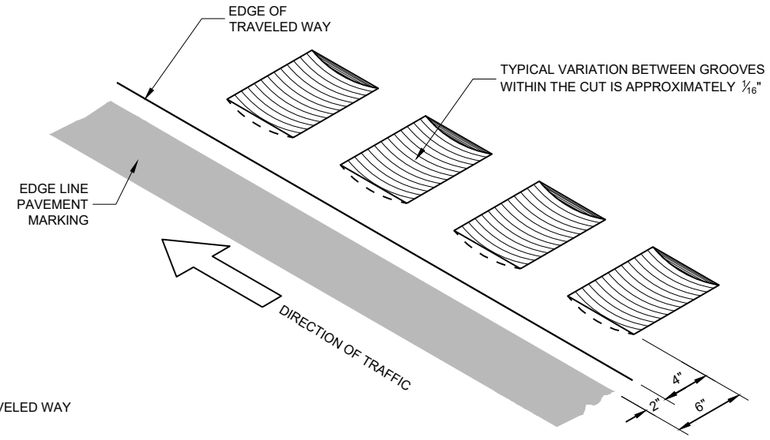


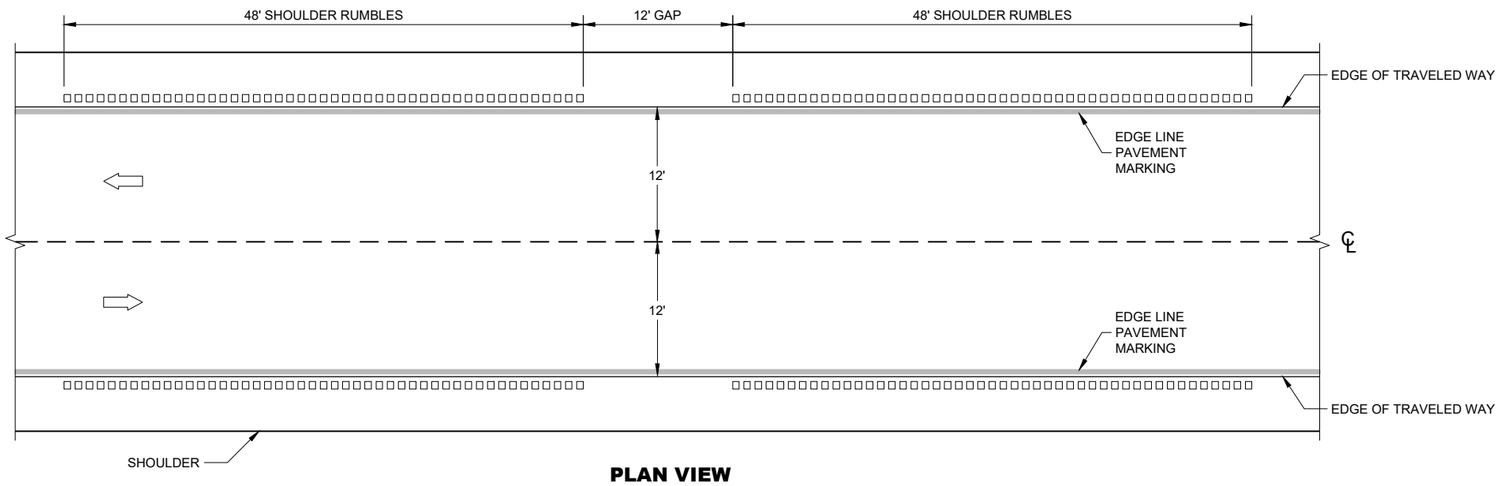
PLAN VIEW
(SINGLE GROOVE)

GENERAL NOTES

DO NOT MILL SHOULDER GROOVES THROUGH INTERSECTIONS, MARKED CROSSWALKS, NON-MOTORIZED PATH CROSSINGS, ETC. REFER TO SDD 13A10 SHEETS "g" AND "h".

SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS WHEN DIRECTED BY THE ENGINEER.





PLAN VIEW

SHOULDER RUMBLE STRIPS - ASPHALT

6

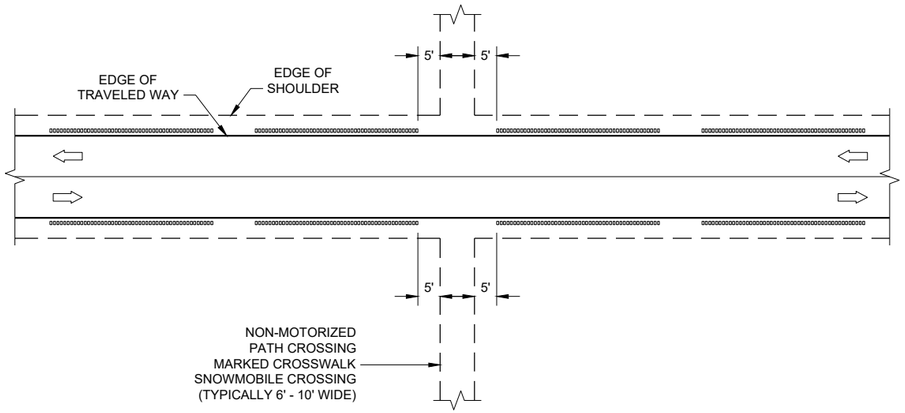
SDD 13A10 - 03a

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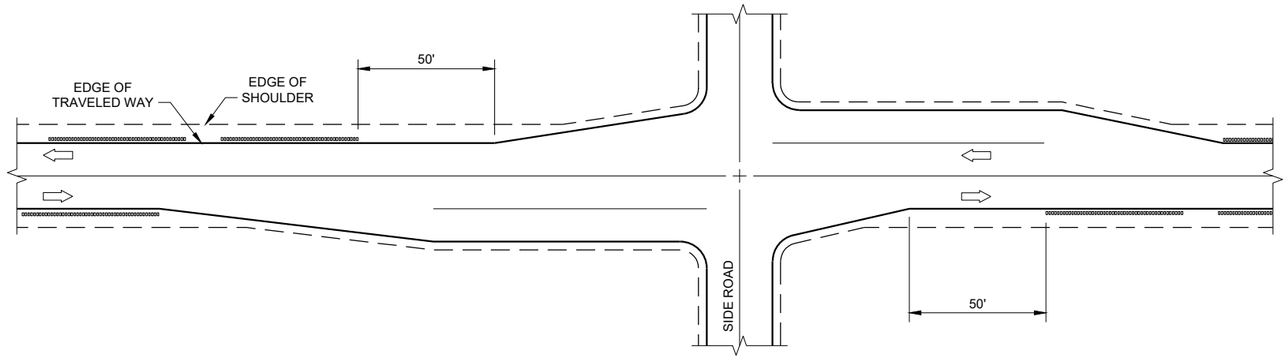
SDD 13A10 - 03a

SHOULDER RUMBLE STRIPS ASPHALT

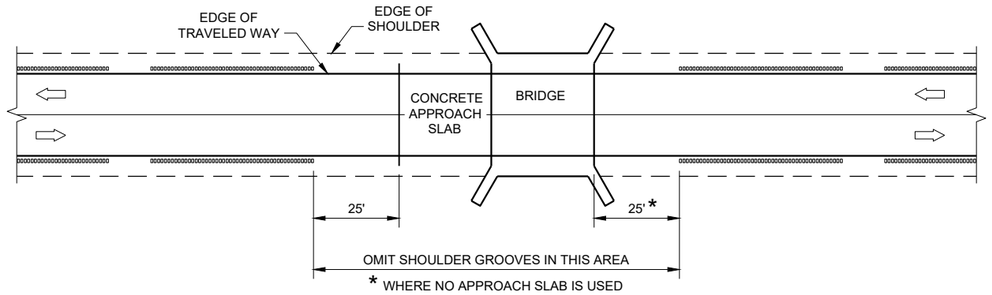
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA



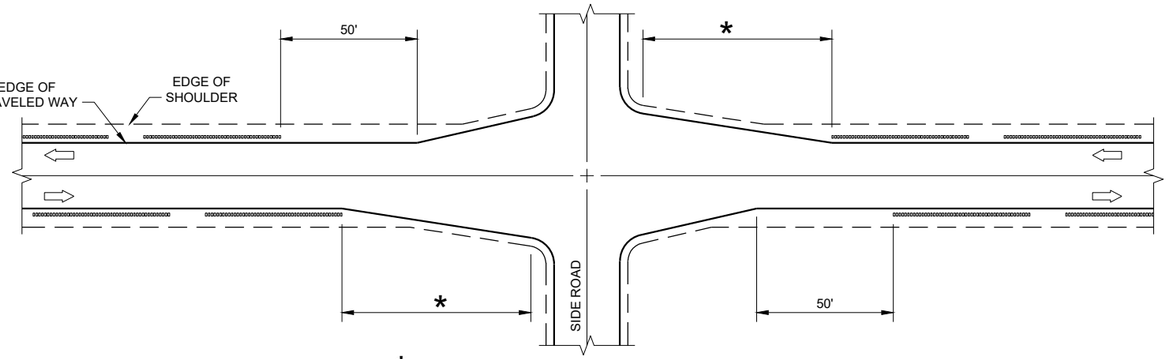
GROOVES AT MISCELLANEOUS CROSSINGS



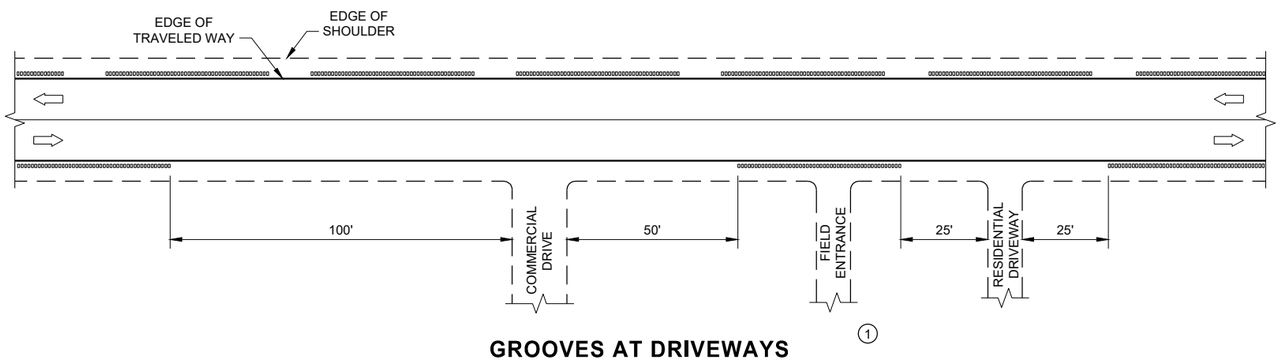
GROOVES AT RIGHT TURN LANE



GROOVES AT BRIDGES



GROOVES AT INTERSECTIONS WITH APPROACH TAPER



GROOVES AT DRIVEWAYS ①

GENERAL NOTES

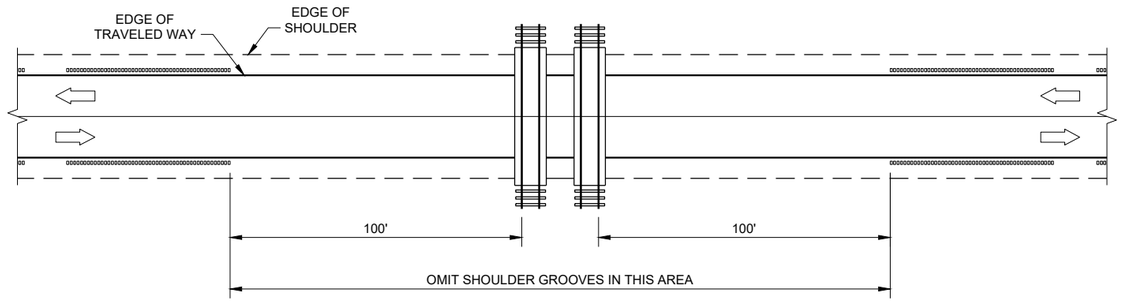
① SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.

SHOULDER AND EDGE LINE RUMBLE STRIPS CROSSINGS, INTERSECTIONS, BRIDGES, DRIVEWAYS

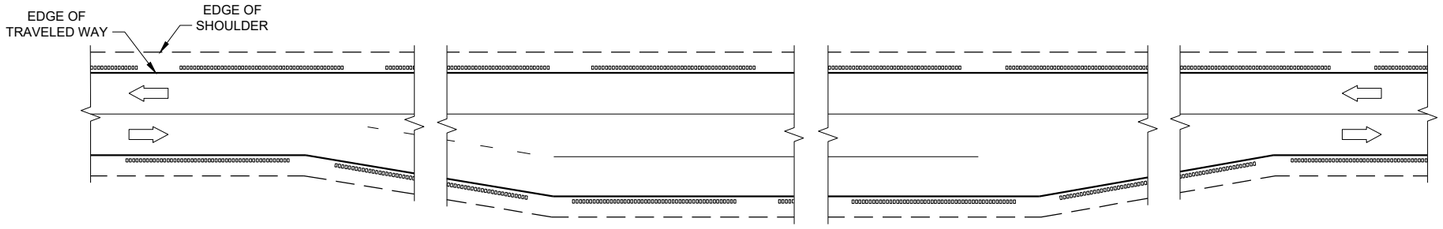
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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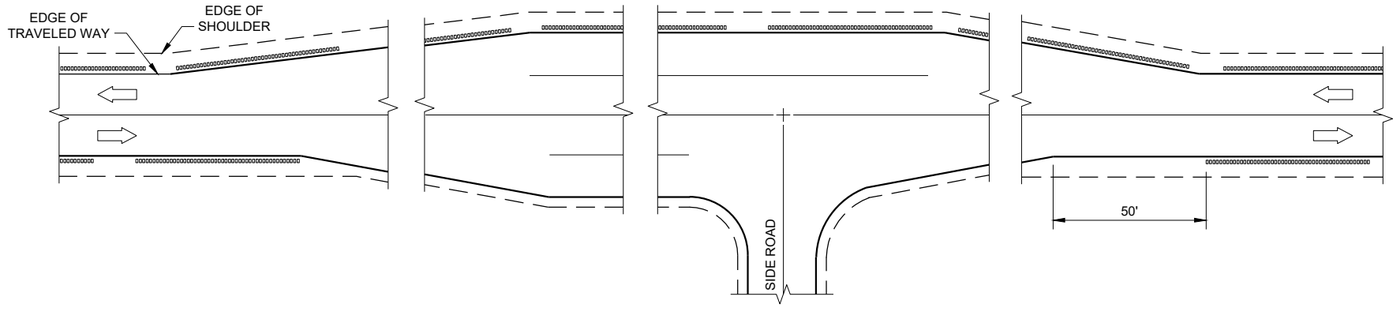
SDD 13A10 - 03g
SDD 13A10 - 03g



GROOVES AT RAILROADS



GROOVES AT PASSING AND CLIMBING LANES



GROOVES AT BYPASS LANES

6

SDD 13A10 - 03h

6

SDD13A10 - 03h

SHOULDER AND EDGE LINE RUMBLE STRIPS - RAILROAD, PASSING, CLIMBING AND BYPASS LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2023
DATE

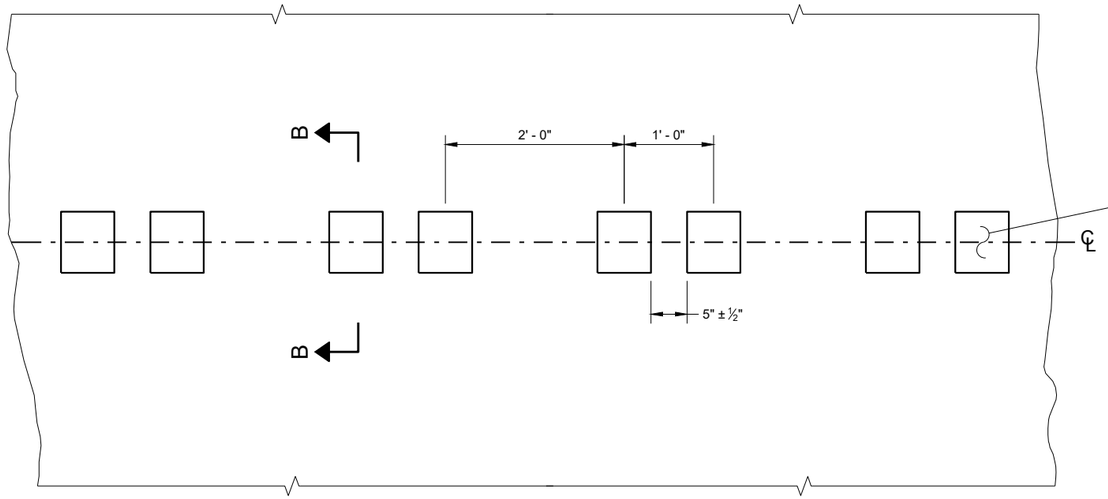
/S/ John Jenkins
ROADWAY STANDARDS DEVE ENGINEER

FHWA

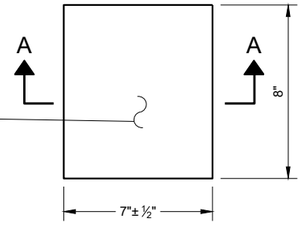
GENERAL NOTES

DO NOT MILL SHOULDER GROOVES THROUGH INTERSECTIONS, MARKED CROSSWALKS, NON-MOTORIZED PATH CROSSINGS, ETC. REFER TO SDD 13A11 SHEETS "d" AND "e".

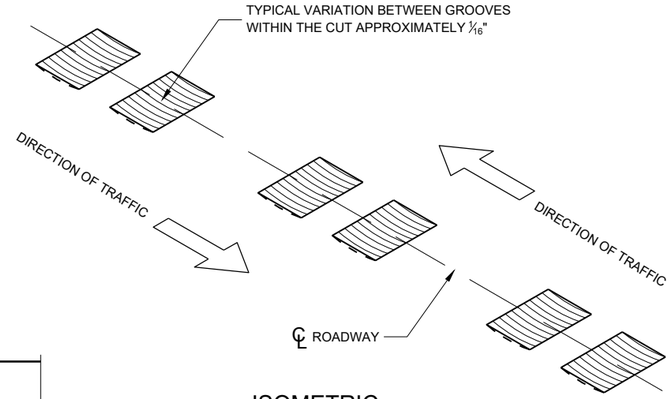
CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS WHEN DIRECTED BY THE ENGINEER.



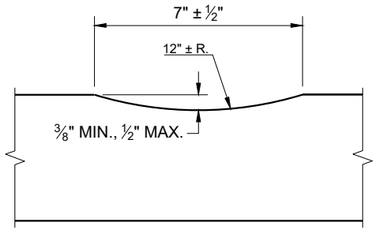
PLAN DETAIL VIEW



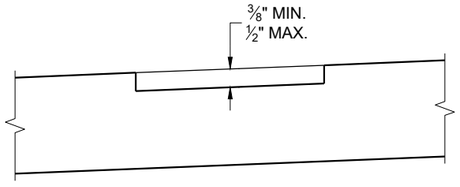
PLAN VIEW
(SINGLE GROOVE)



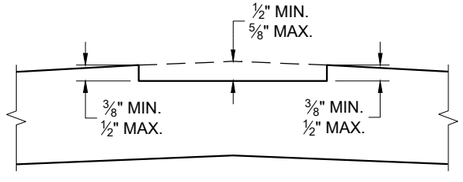
ISOMETRIC



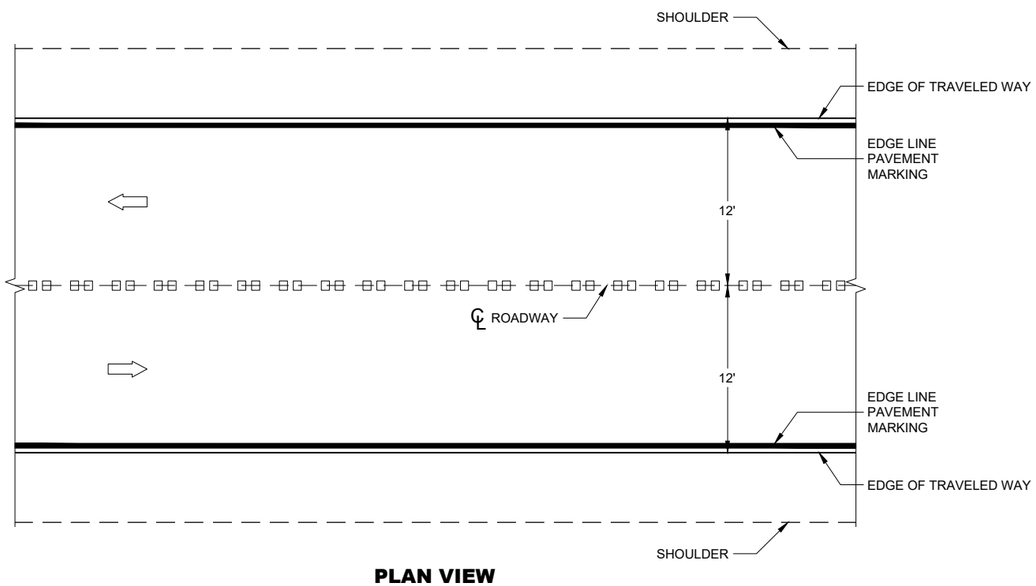
SECTION A - A



SECTION B - B
SUPERELEVATED ROADWAY



SECTION B - B
CROWNED ROADWAY



PLAN VIEW

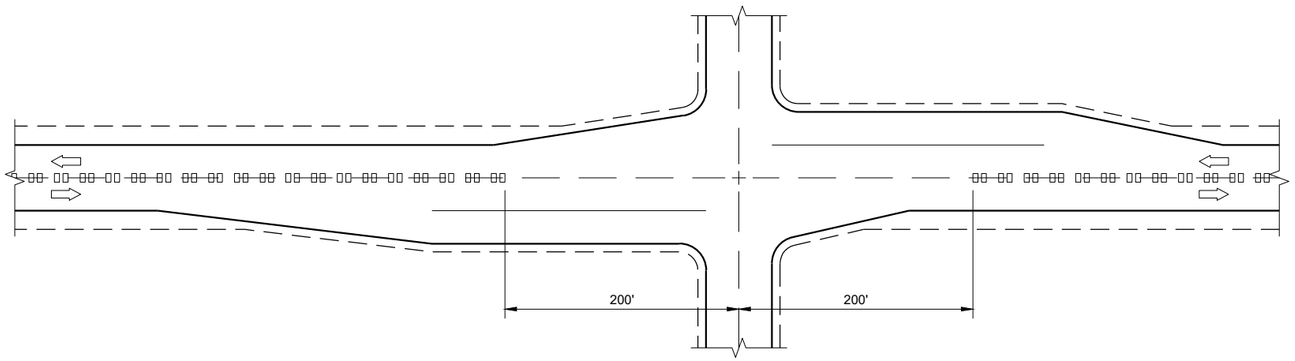
CENTERLINE RUMBLE STRIPS - ASPHALT

CENTERLINE RUMBLE STRIPS - ASPHALT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

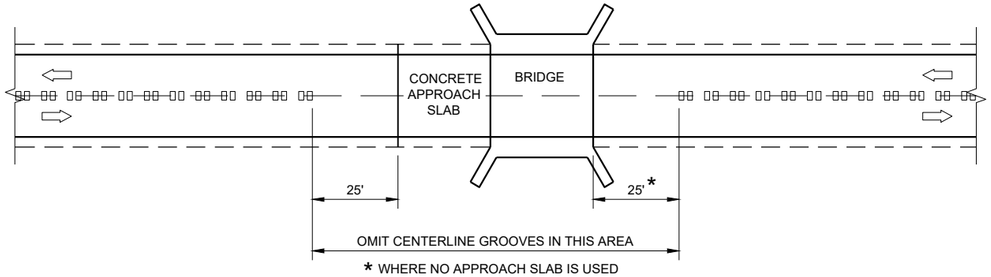
SDD 13A11 - 04a



CENTERLINE GROOVES AT INTERSECTIONS

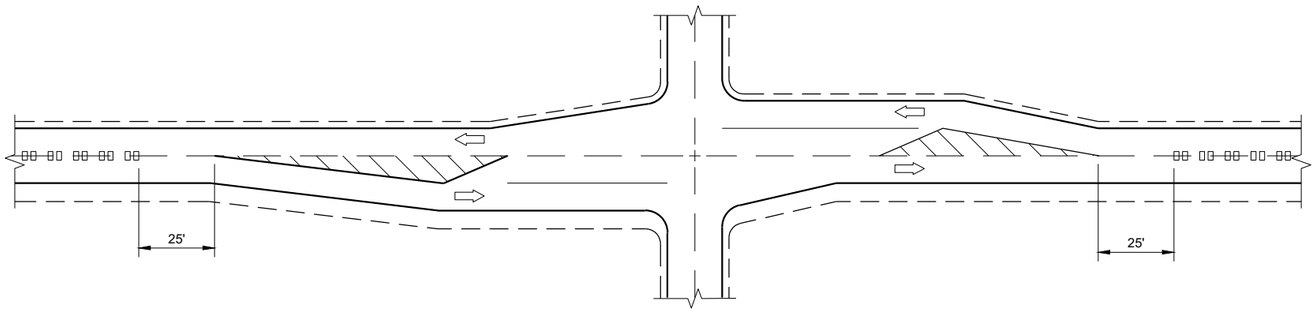
GENERAL NOTES

1. CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS WHEN DIRECTED BY THE ENGINEER.

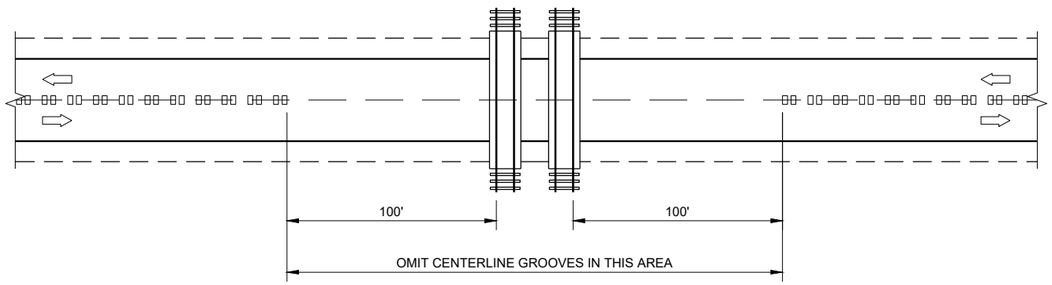


* WHERE NO APPROACH SLAB IS USED

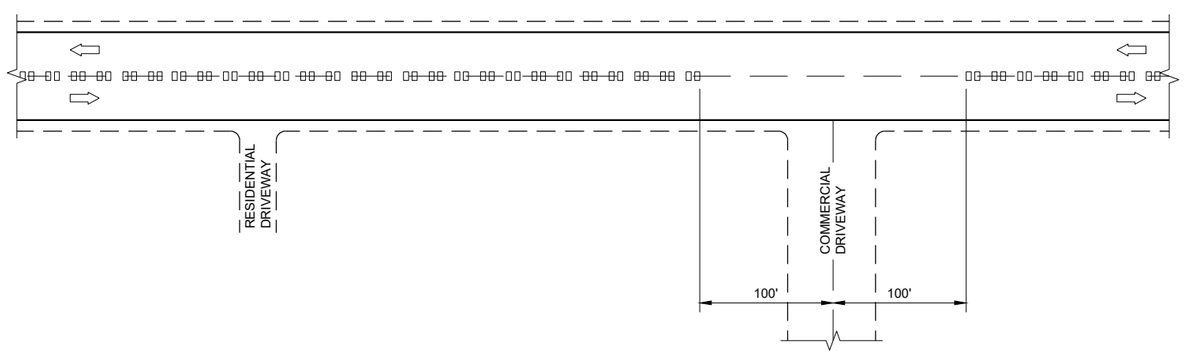
CENTERLINE GROOVES AT BRIDGES



CENTERLINE GROOVES AT INTERSECTIONS (WITH LEFT TURN LANES)



CENTERLINE GROOVES AT RAILROADS



CENTERLINE GROOVES AT DRIVEWAYS (1)

CENTER LINE RUMBLE STRIPS - INTERSECTIONS, DRIVEWAYS, BRIDGES, RAIL ROADS

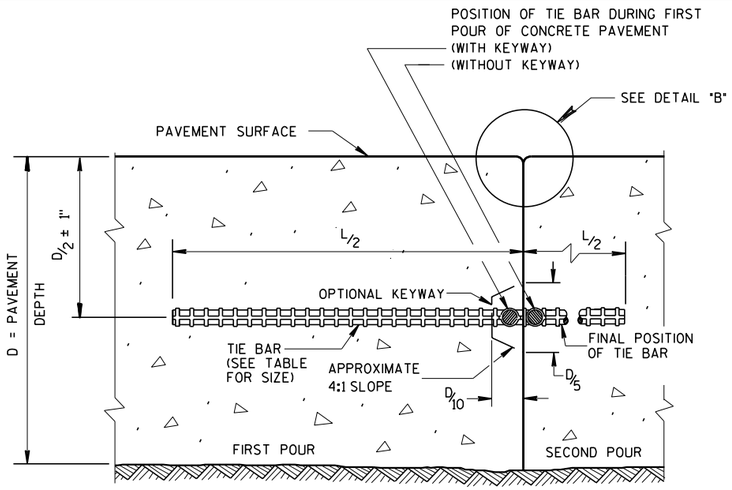
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ John Jenkins — ROADWAY STANDARDS DEVE ENGINEER

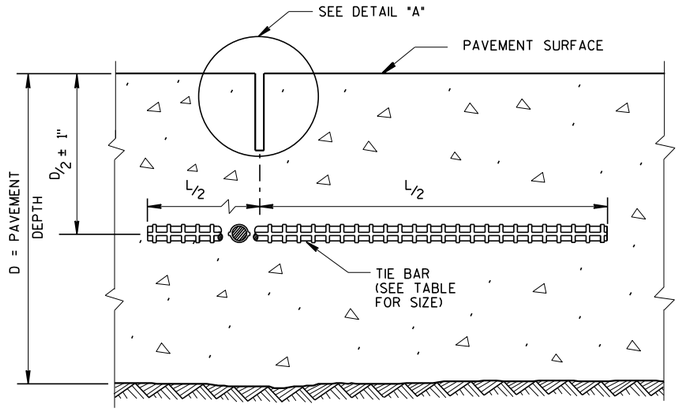
FHWA

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SDD 13A11 - 04d



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

PLAN VIEW

SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

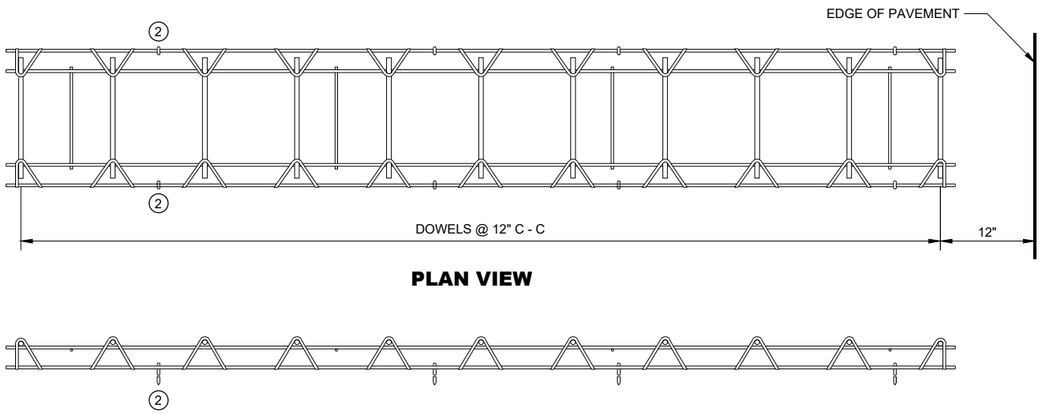
PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Kemp PE — PAVEMENT SUPE
FHWA

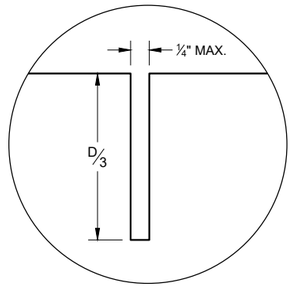
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S.D.D. 13 C 1-19



PLAN VIEW

SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY (1)



JOINT DETAIL

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES FROM AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.

(1) OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTION CONTRACTION JOINTS.

(2) SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

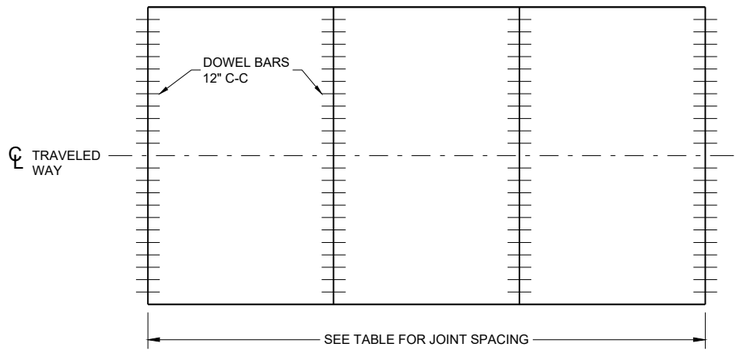
(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.

(4) PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

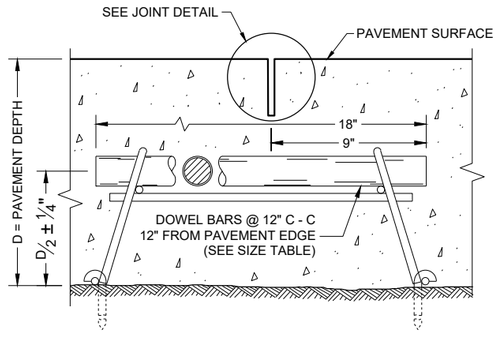
(5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED DOWEL BAR CONSTRUCTION JOINT" DETAIL.

(6) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

(7) ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛" GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



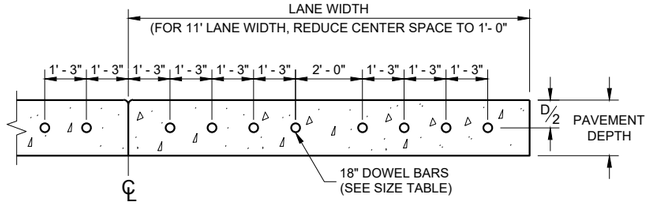
CONTRACTION JOINT LOCATIONS



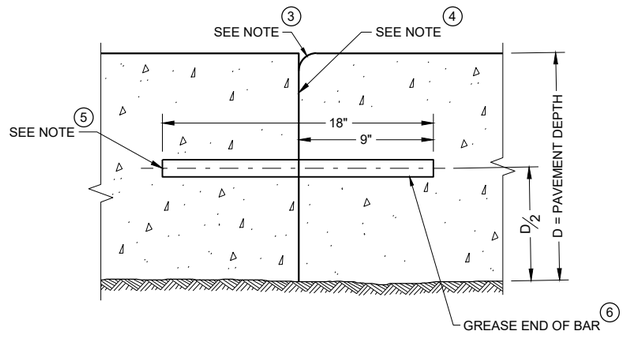
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8" & ABOVE	1 ¼"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT (7)



TRANSVERSE CONSTRUCTION JOINT

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

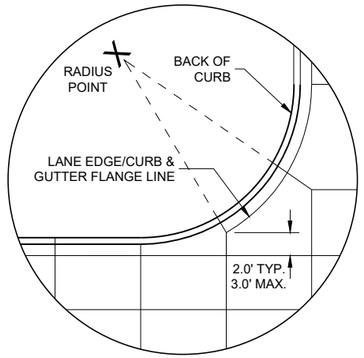
FHWA

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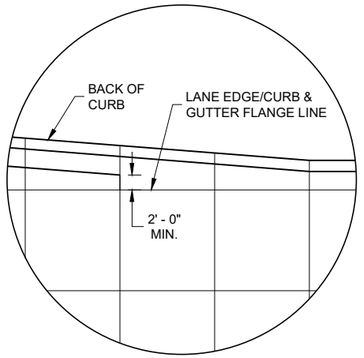
SDD 13C13 - 11

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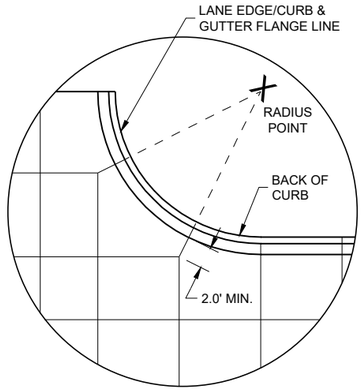
SDD 13C13 - 11



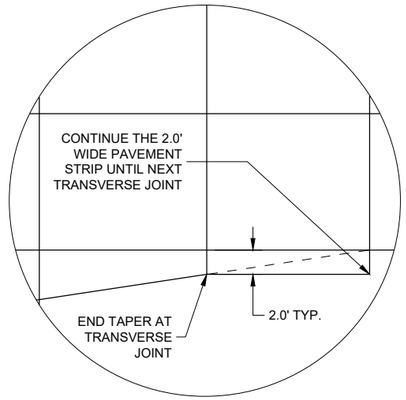
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

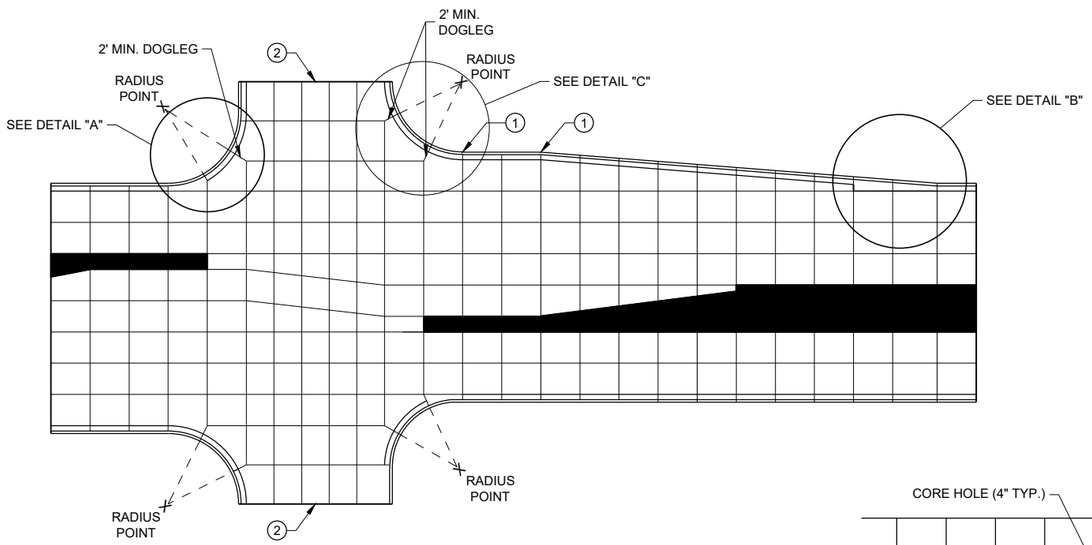
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

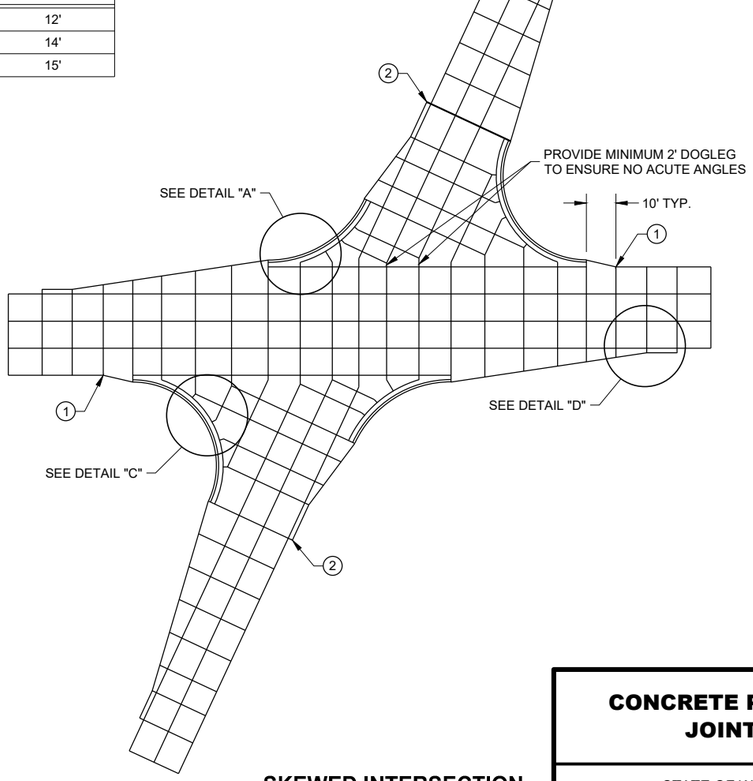
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



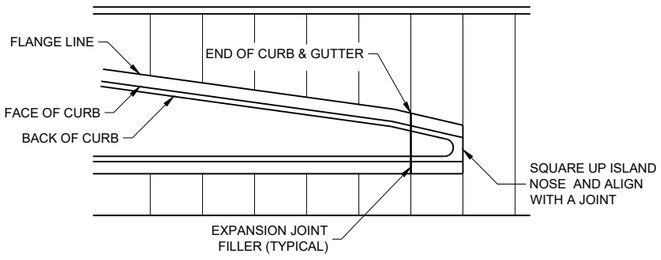
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

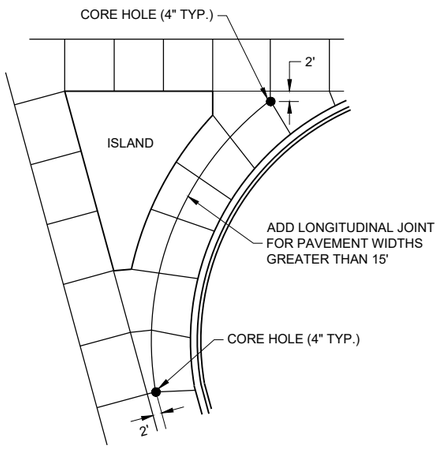
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C18 - 08a

6

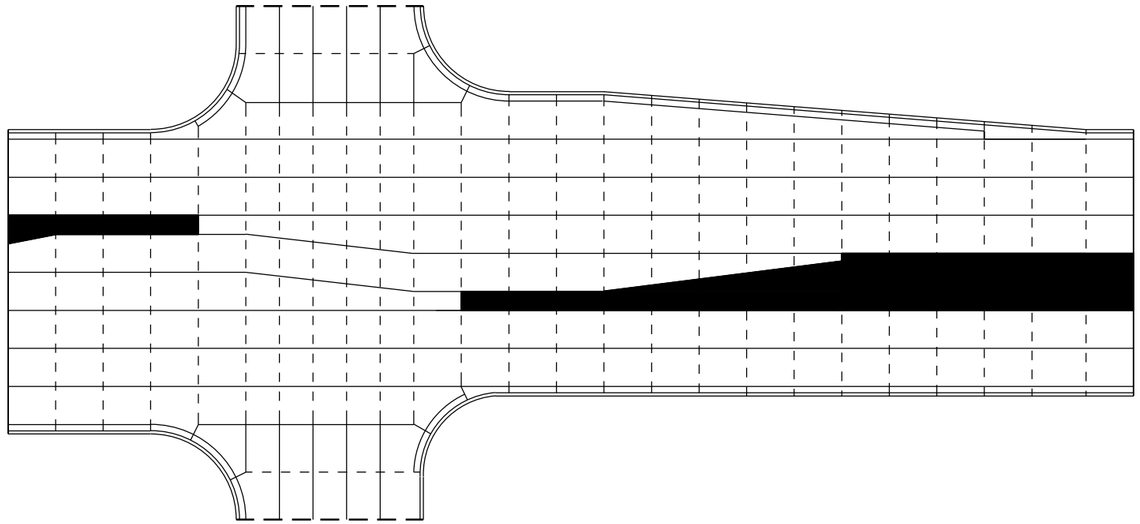
SDD 13C18 - 08a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

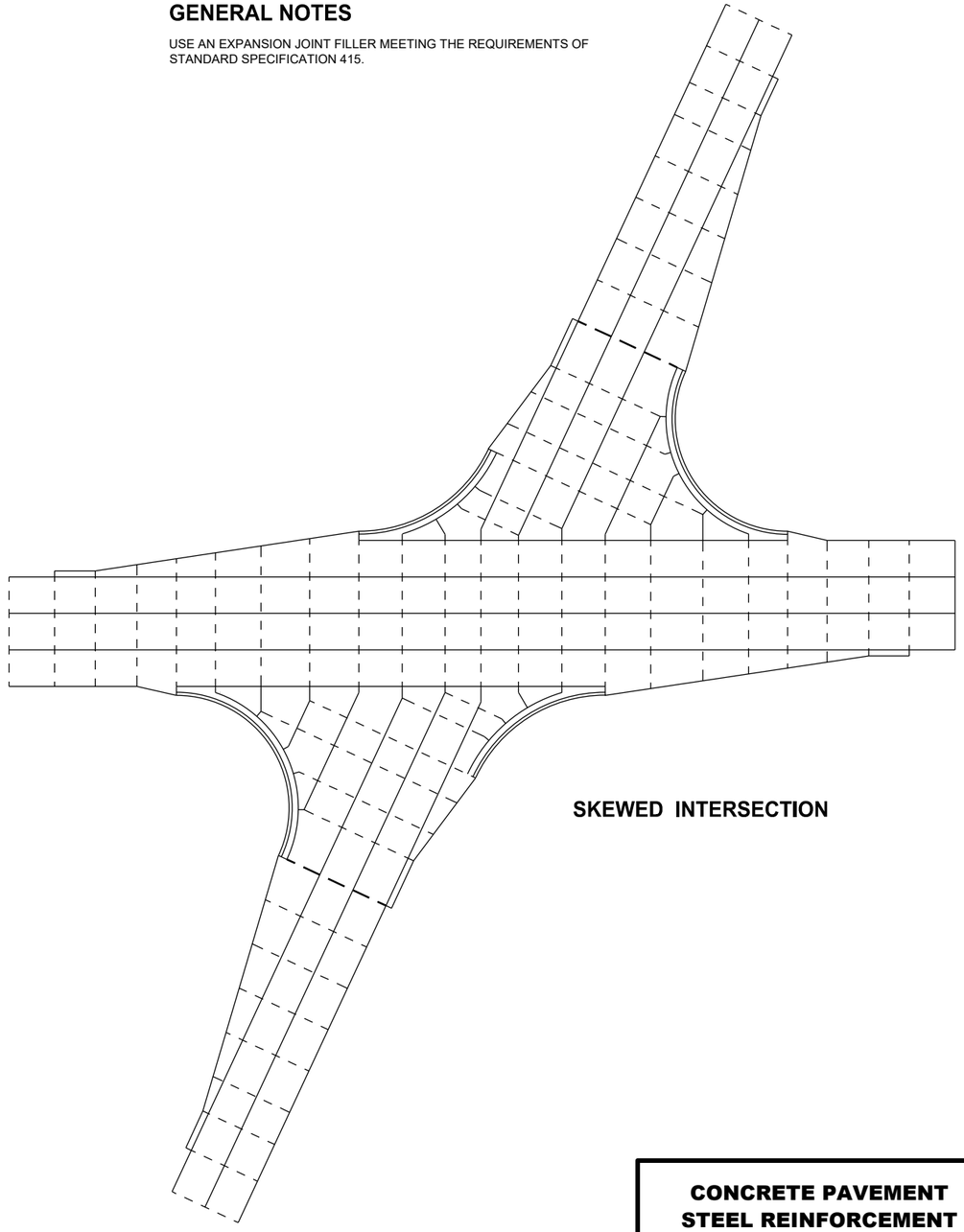
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

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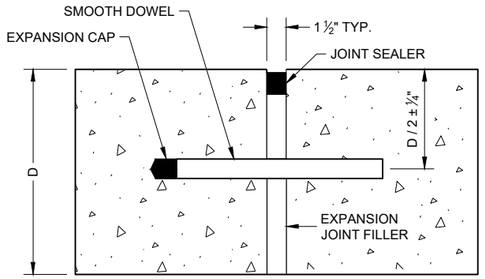
SDD 13C18 - 08b

CONCRETE PAVEMENT STEEL REINFORCEMENT

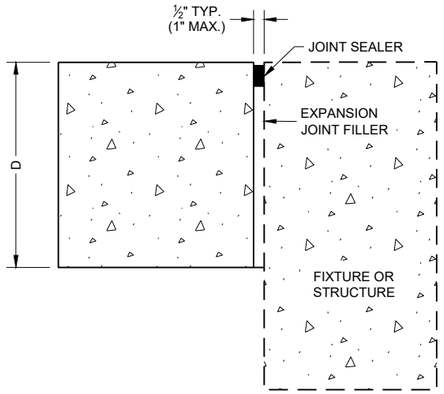
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C18 - 08b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

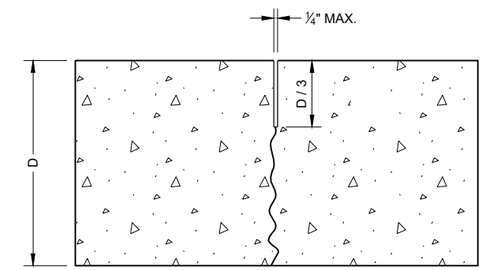
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

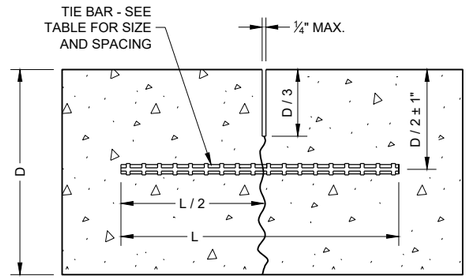
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

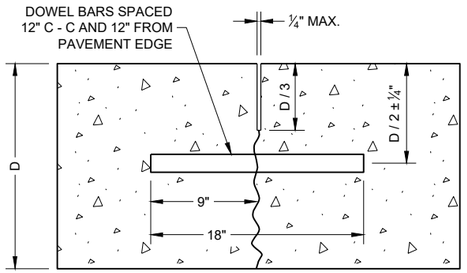
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

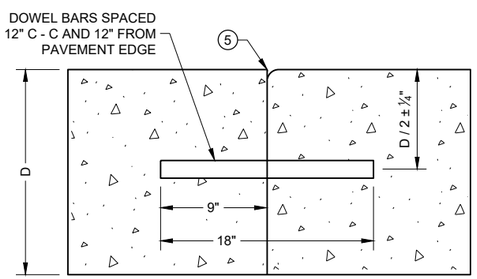


TIED LONGITUDINAL

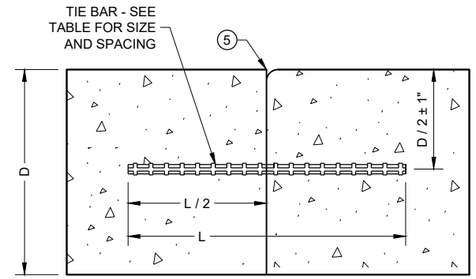


DOWELED TRANSVERSE

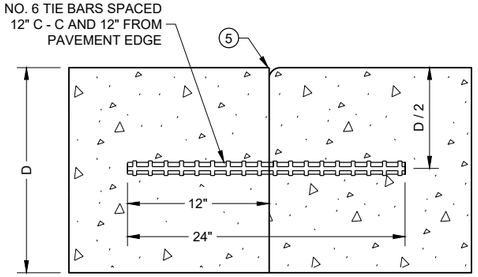
CONTRACTION JOINTS (2)



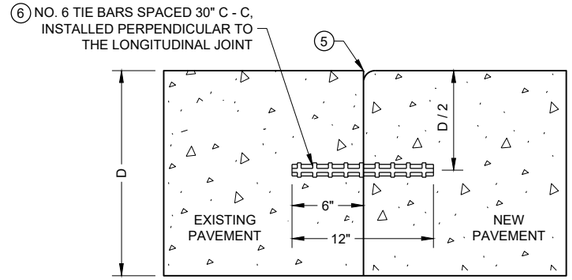
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

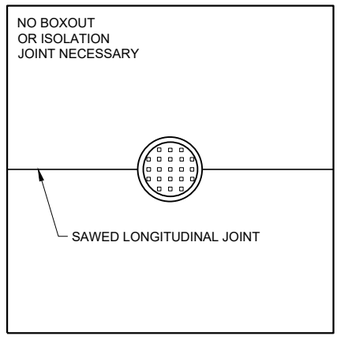
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

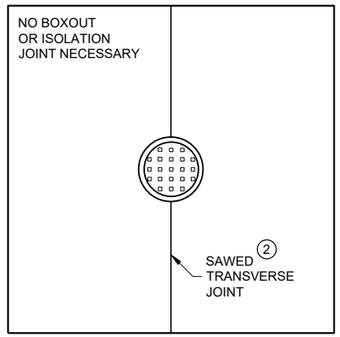
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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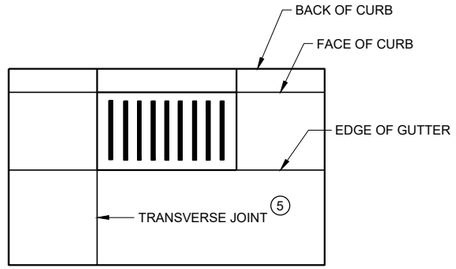
SDD 13C18 - 08c



MANHOLE WITH LONGITUDINAL JOINT



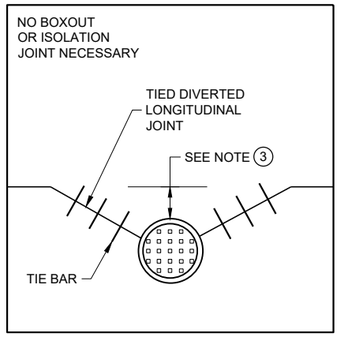
MANHOLE WITH TRANSVERSE JOINT



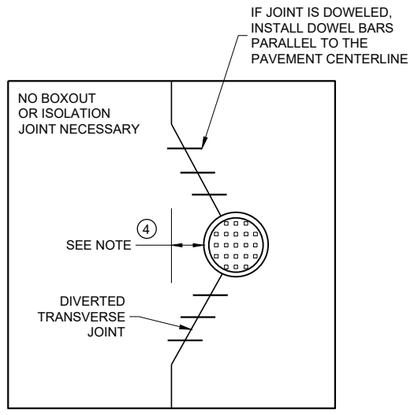
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

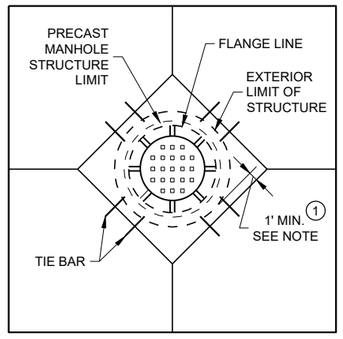
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

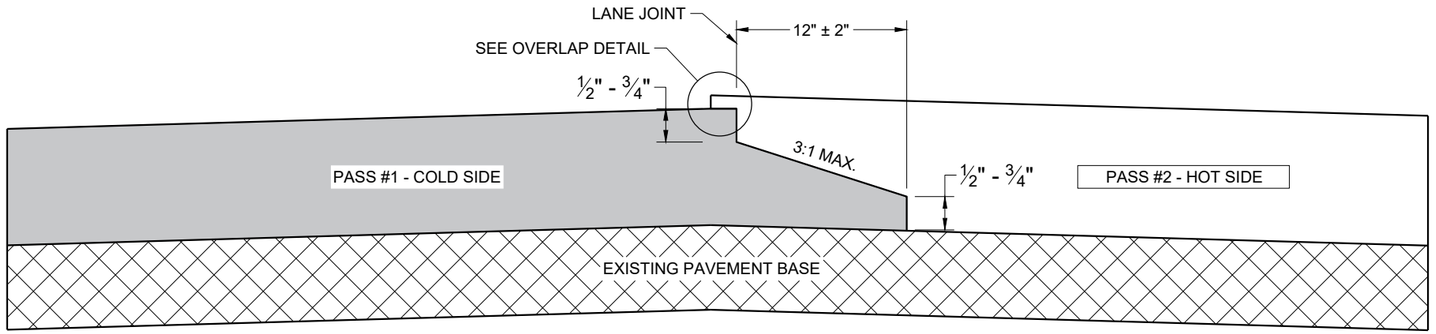
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

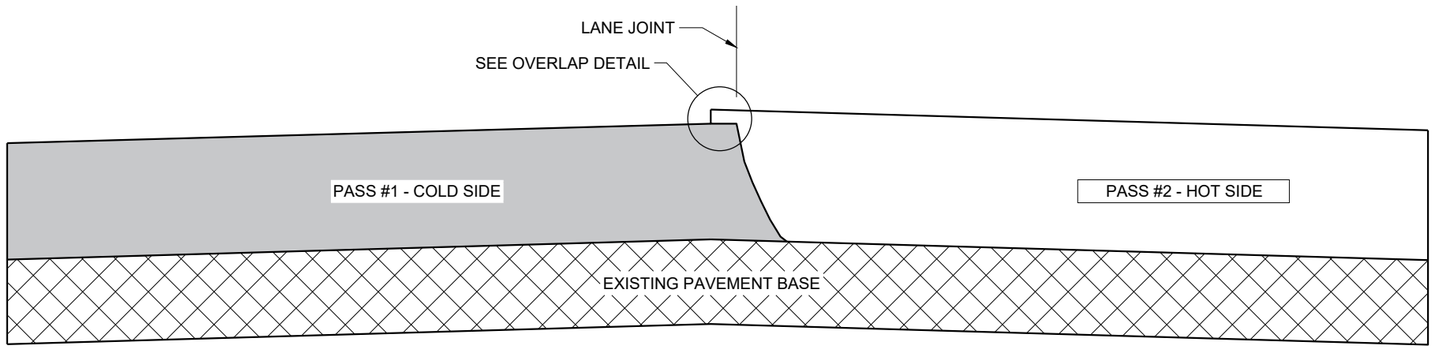
FHWA

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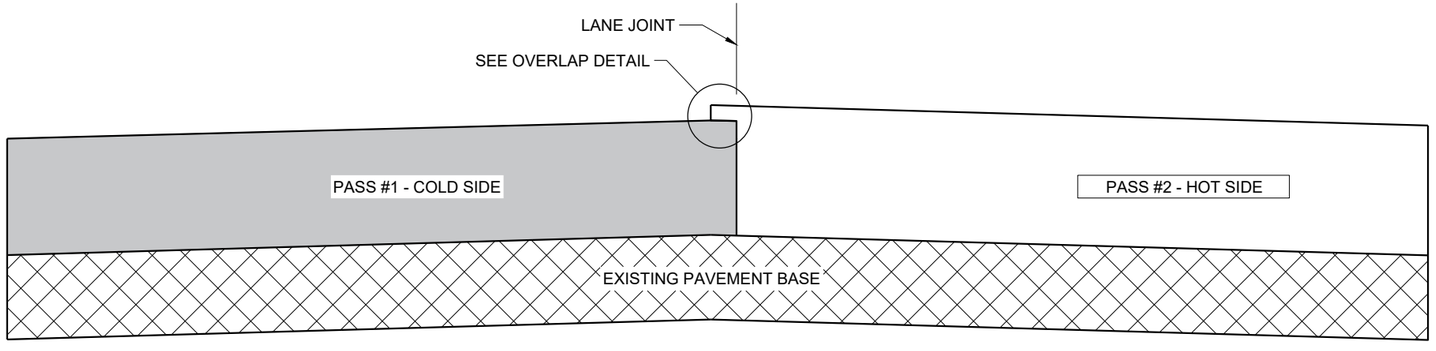
SDD13C18 - 08d
SDD13C18 - 08d



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

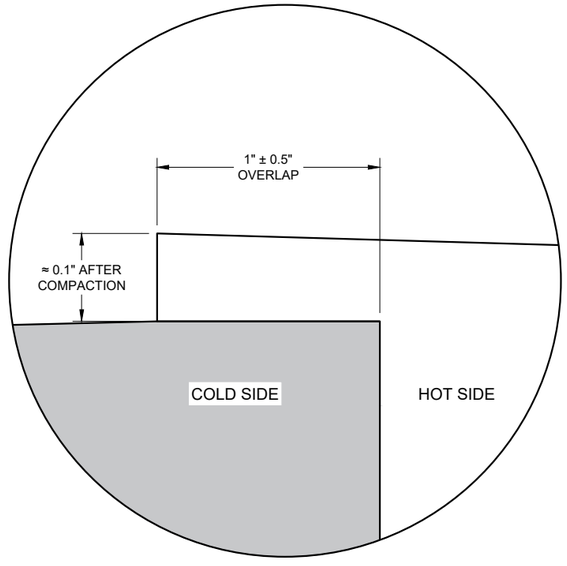
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

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SDD 13C19 - 03

SDD 13C19 - 03

HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

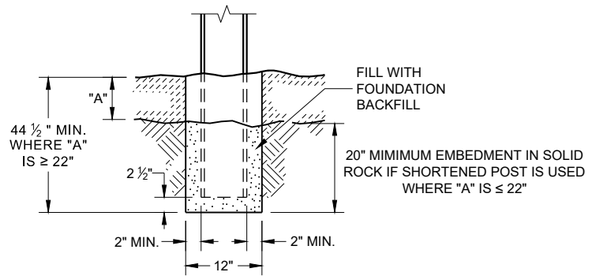
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

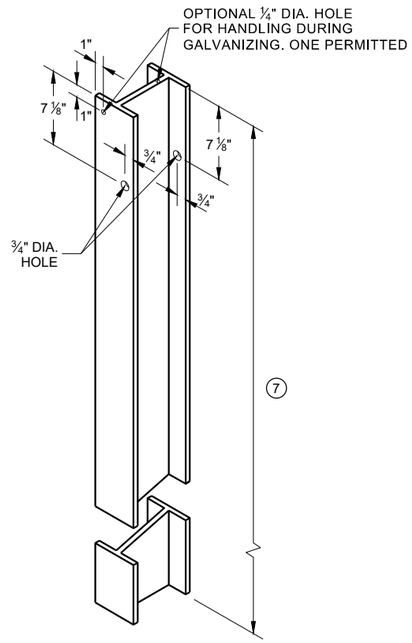
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

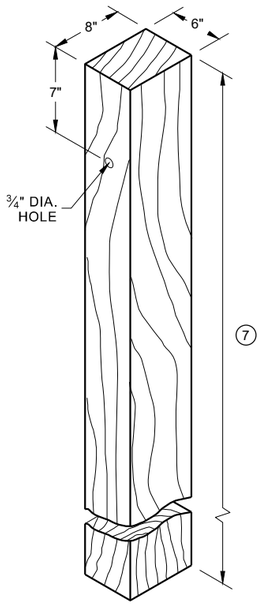
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



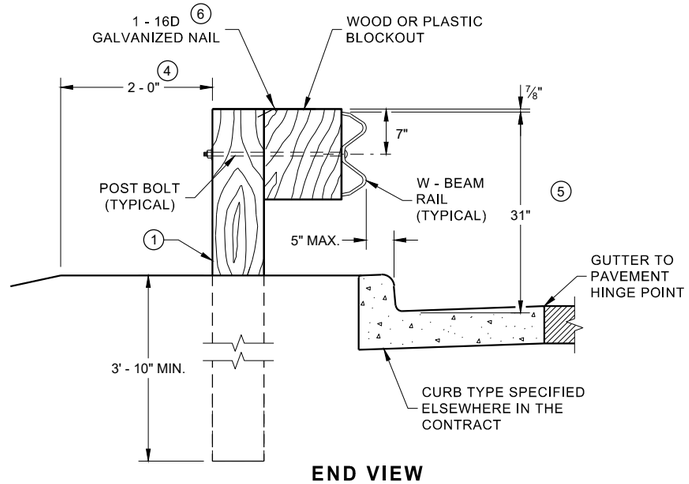
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



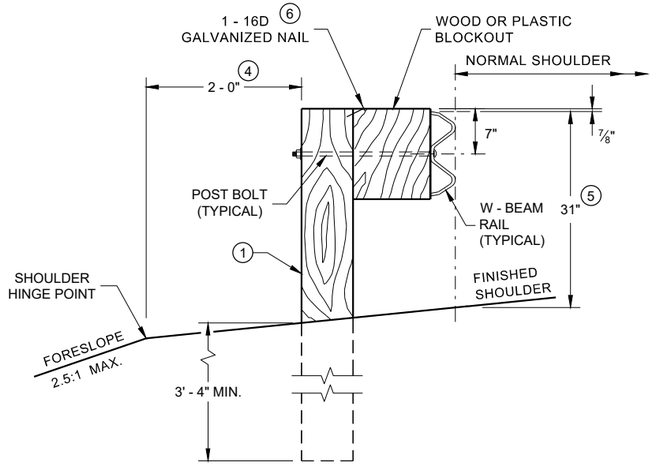
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



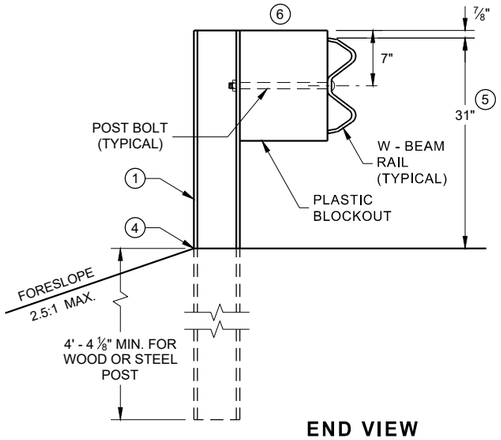
WOOD POST (6" X 8") NOMINAL (1)



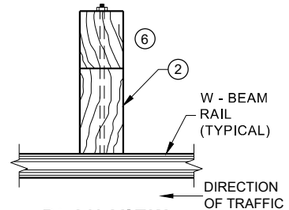
END VIEW
LOCATED ALONG A CURBED ROADWAY



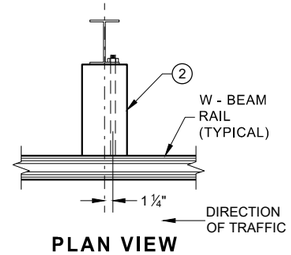
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



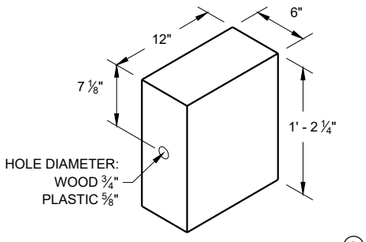
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

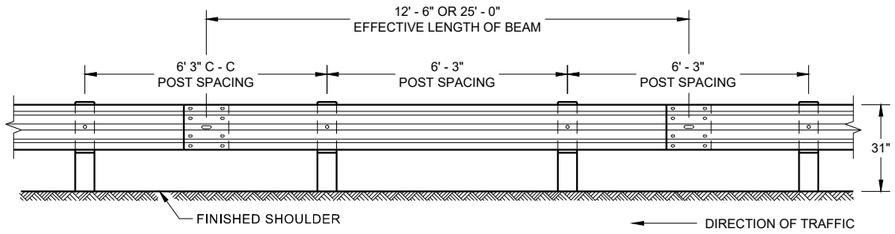
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

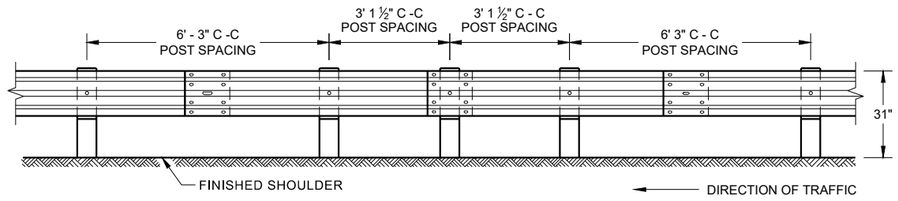
SDD 14B42 - 07a

6

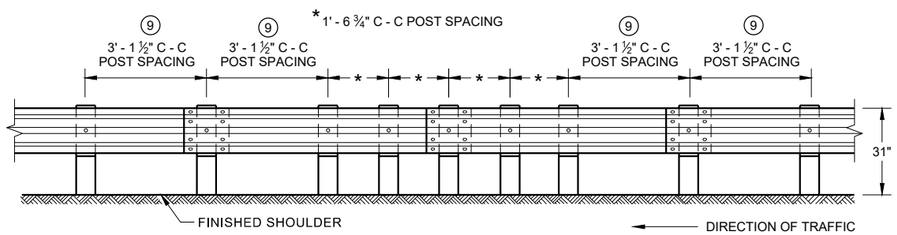
SDD 14B42 - 07a



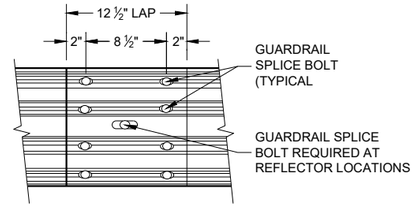
FRONT VIEW
POST SPACING STANDARD INSTALLATION



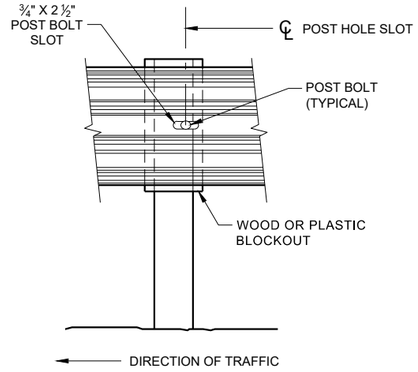
FRONT VIEW
HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)



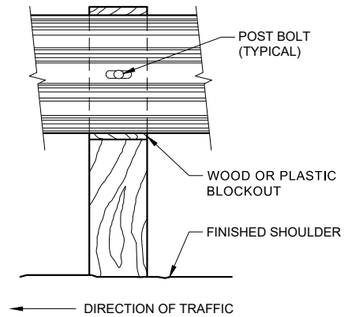
FRONT VIEW
QUARTER POST SPACING (QS)



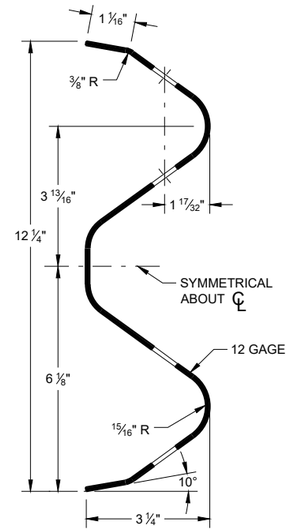
FRONT VIEW
MID-SPAN BEAM SPLICE



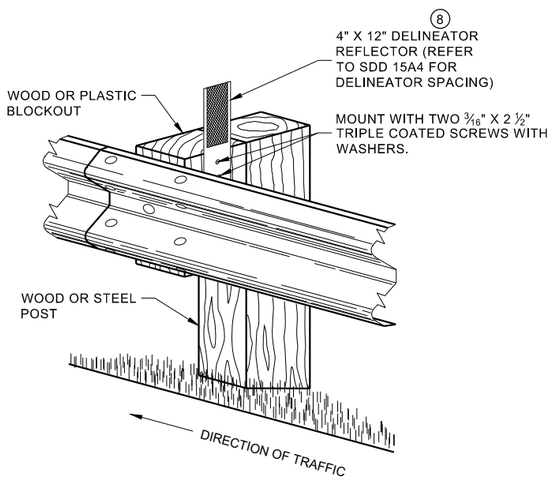
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

GENERAL NOTES

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

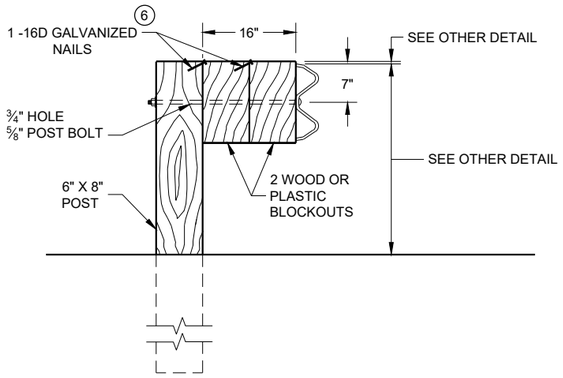
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B42 - 07b

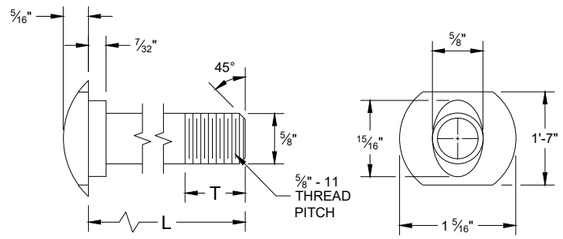


DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

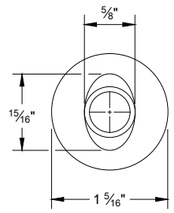
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3⁄16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

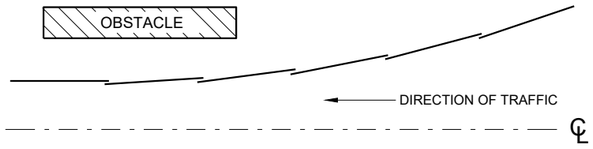


POST BOLT TABLE

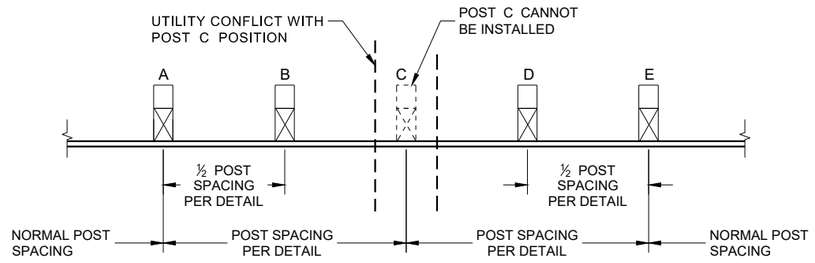
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



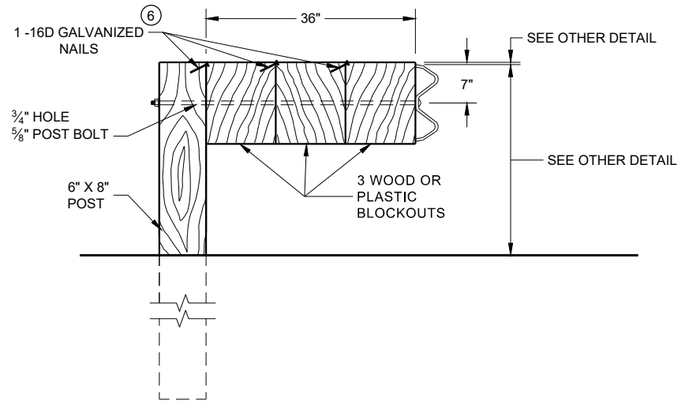
ALTERNATE BOLT HEAD



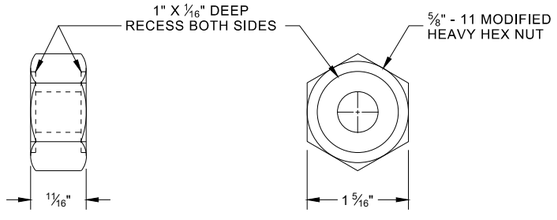
PLAN VIEW
BEAM LAPPING DETAIL



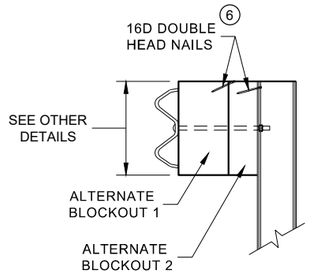
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



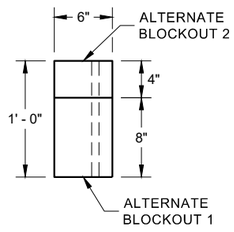
DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW



PLAN VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

6

SDD 14B42 - 07c

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

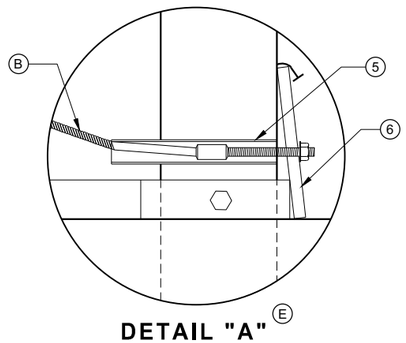
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

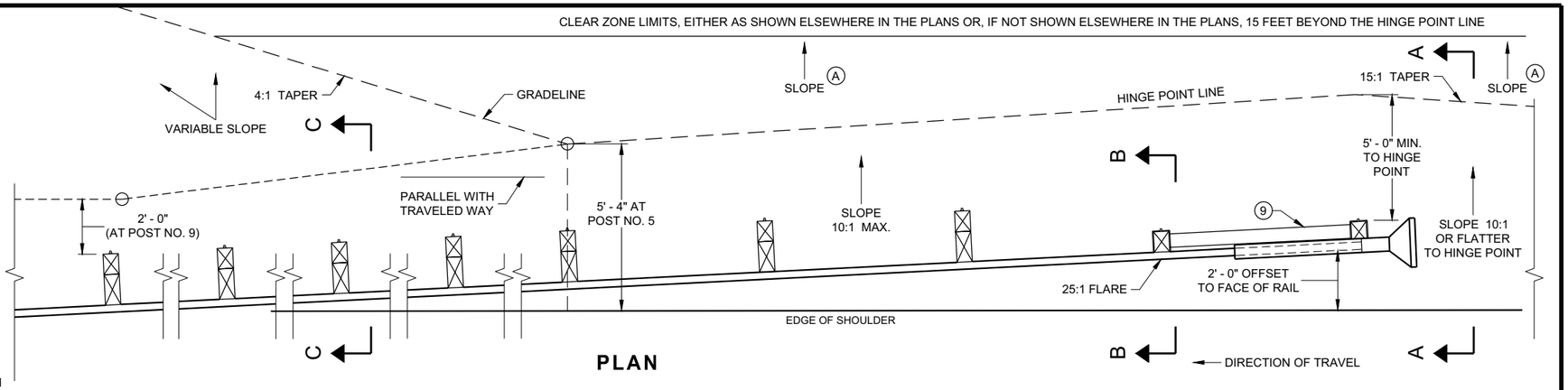
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

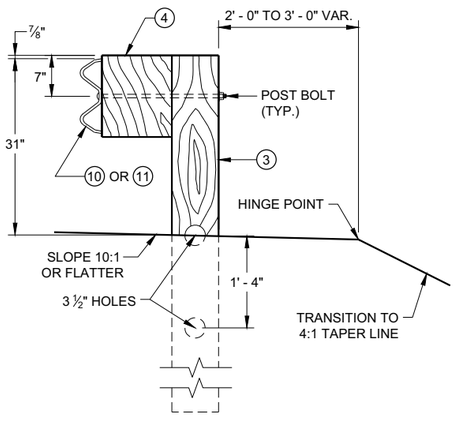
SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.

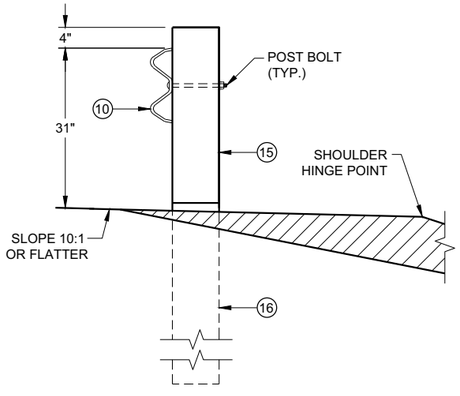


DETAIL "A" (E)

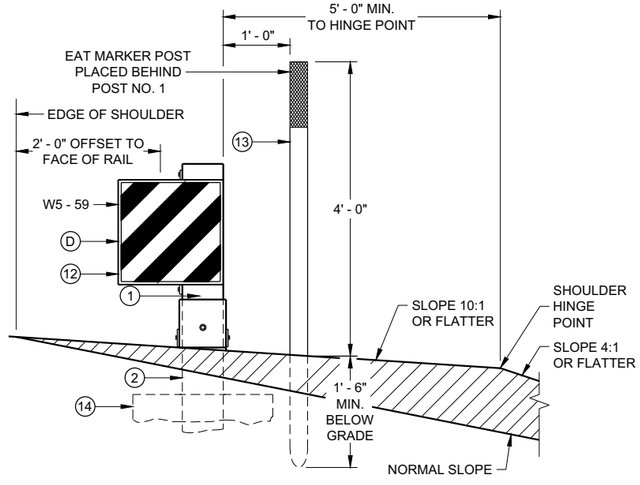




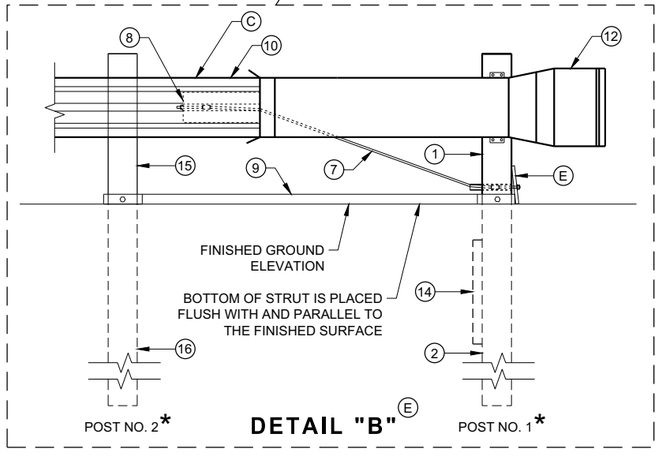
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*

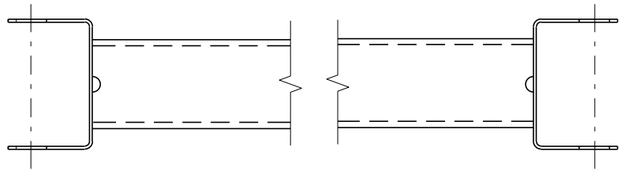


MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

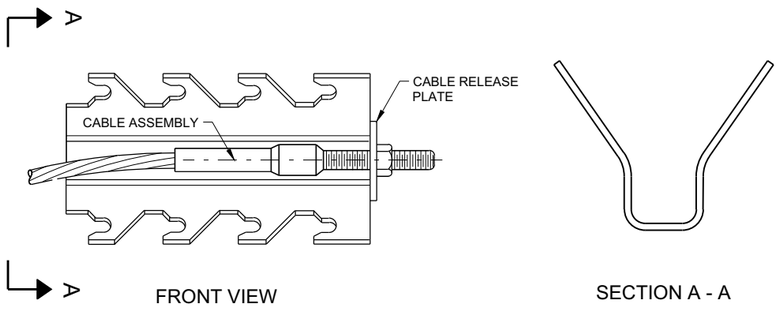
SDD 14B44 - 04a



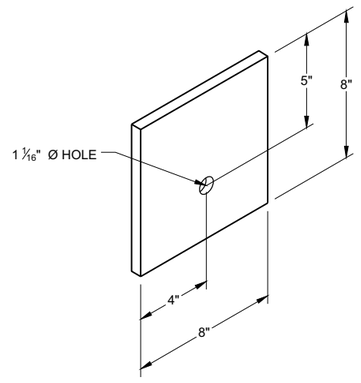
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX ⑧ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

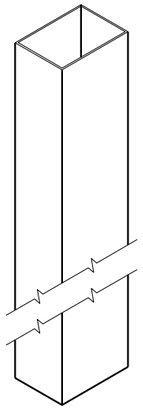
6

SDD 14B44 - 04b

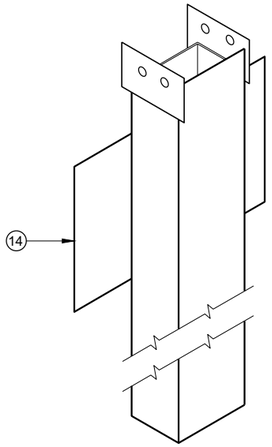
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

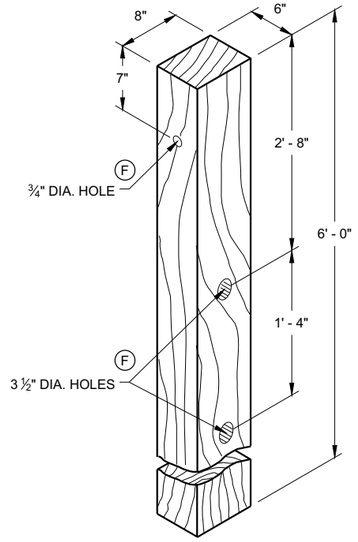
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



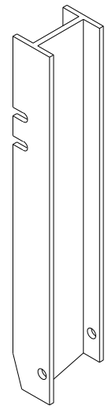
UPPER POST NO. 1 (1) (E)



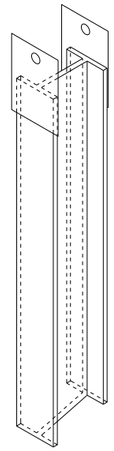
LOWER POST NO. 1 (2) (E)



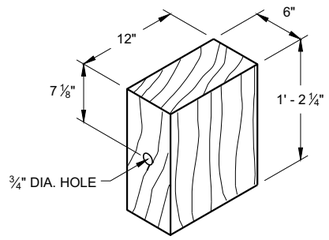
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



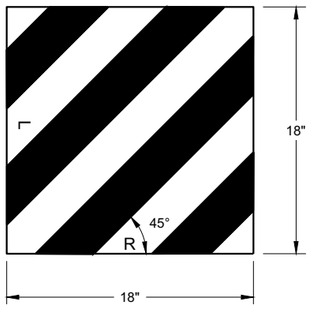
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

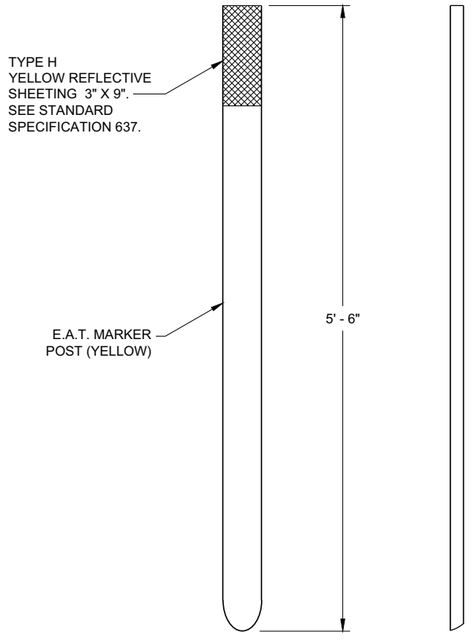


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



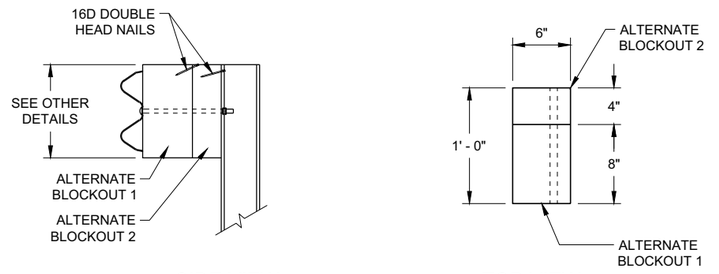
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

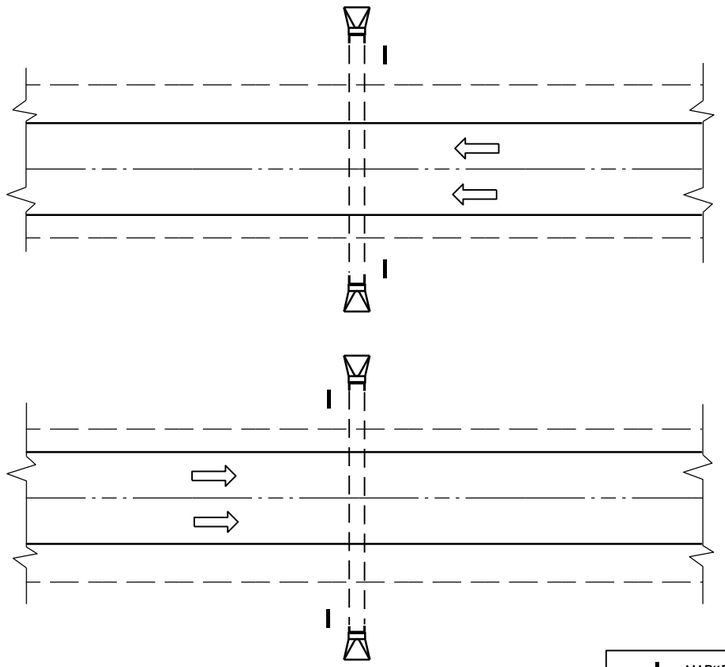
MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE UNIT SUPERVISOR
FHWA

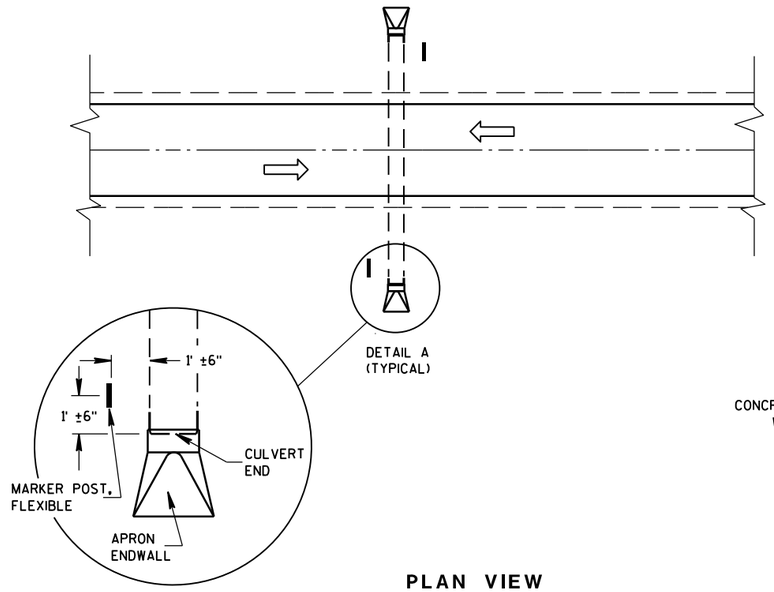
6

SDD 14B44 - 04c



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

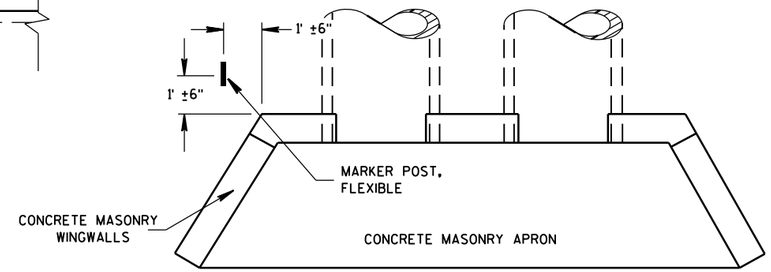
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

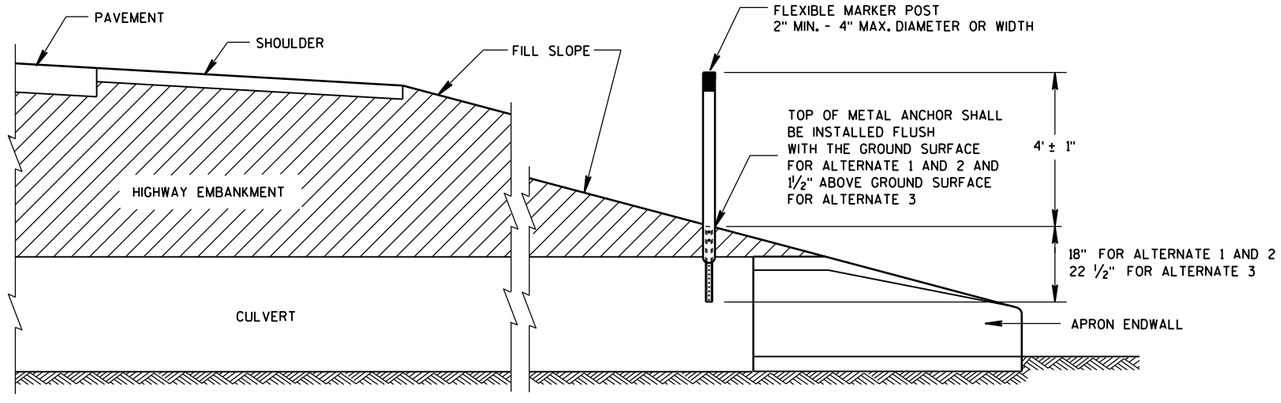
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

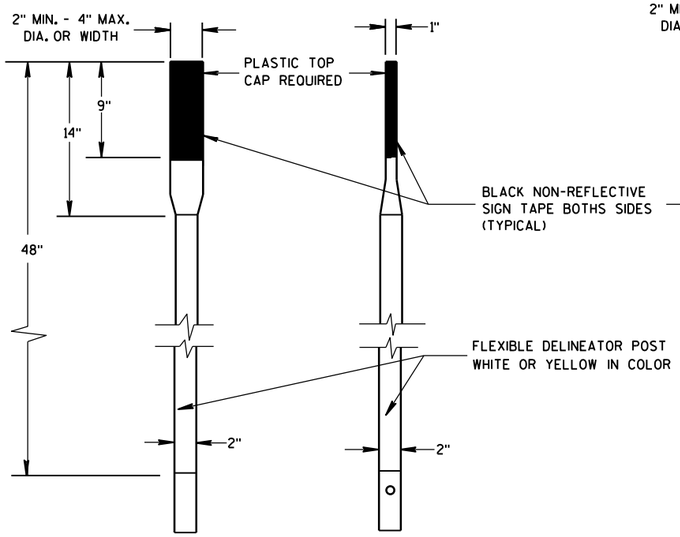
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

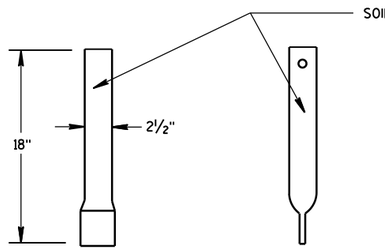
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S.D.D. 15 A 3-2a

6

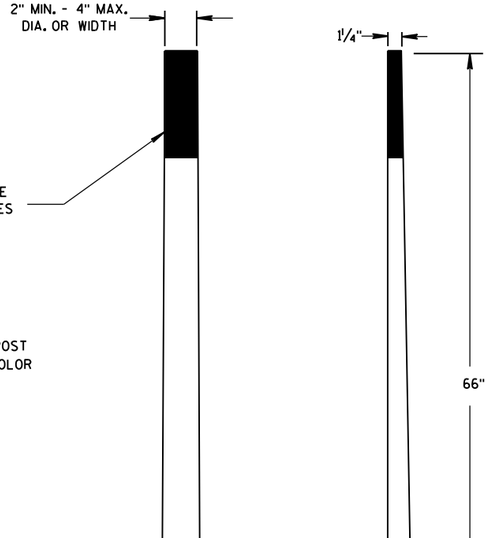
S.D.D. 15 A 3-2a





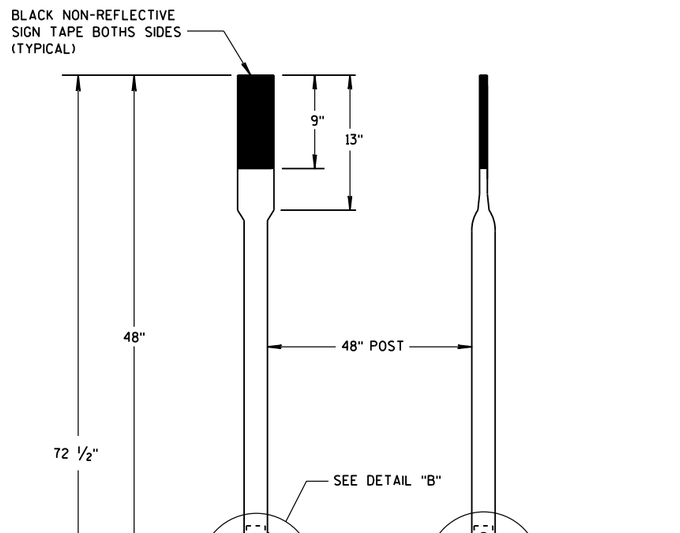
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

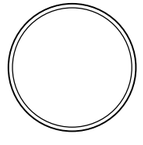
ALTERNATE 2



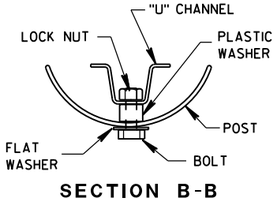
FRONT VIEW SIDE VIEW

ALTERNATE 3

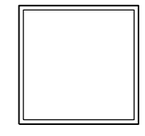
FLEXIBLE MARKER POSTS



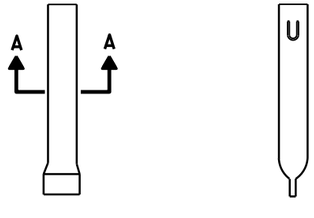
SECTION A-A



SECTION B-B

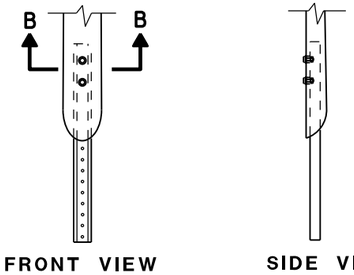


SECTION C-C



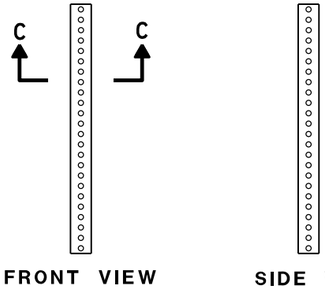
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

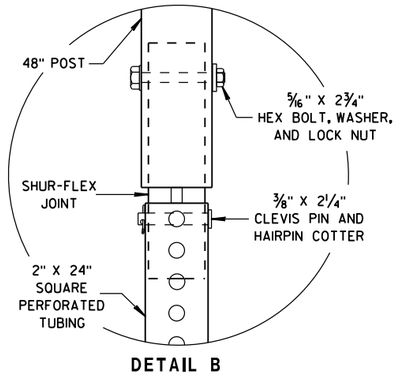
ALTERNATE 2



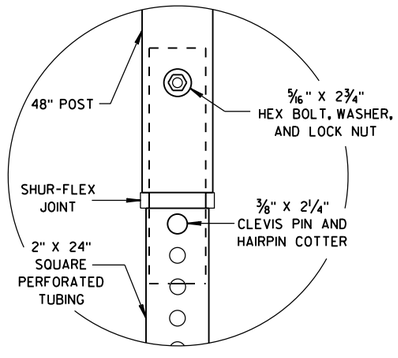
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

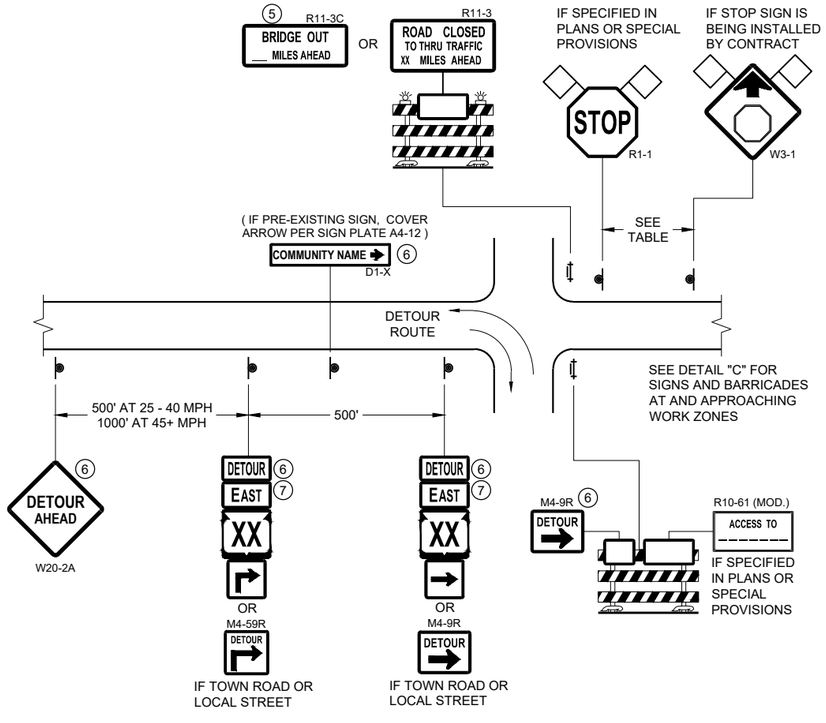
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 A 3-2b

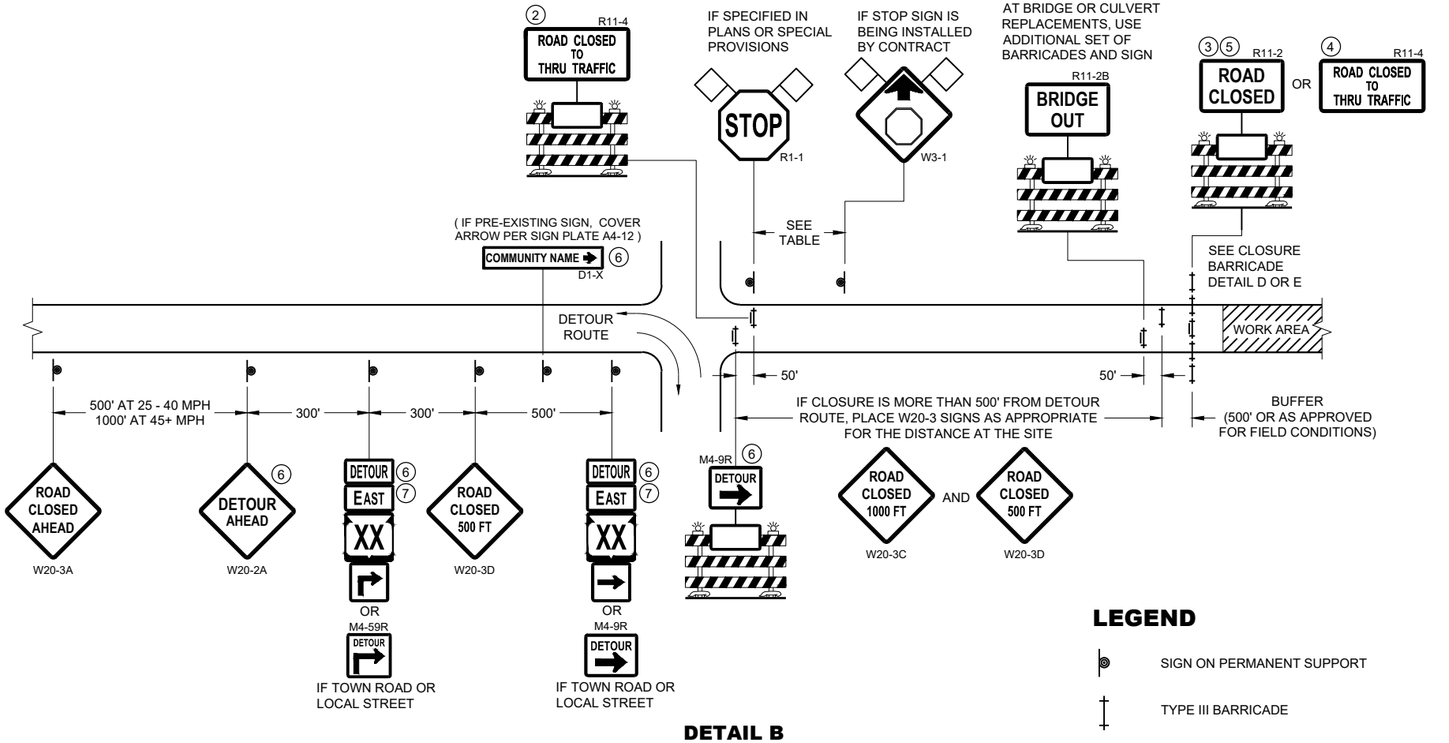
6

S.D.D. 15 A 3-2b



DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

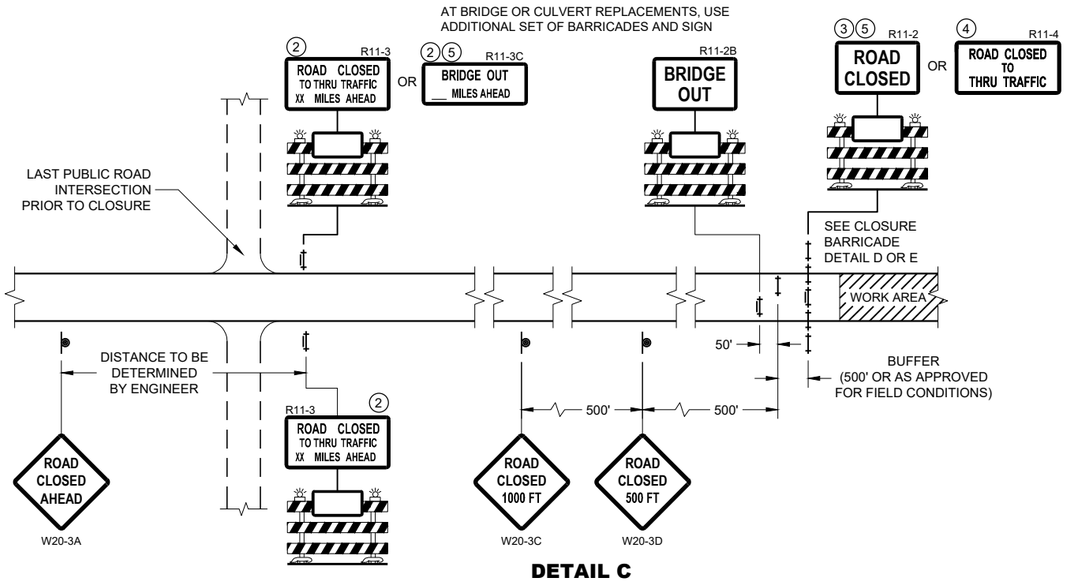


DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

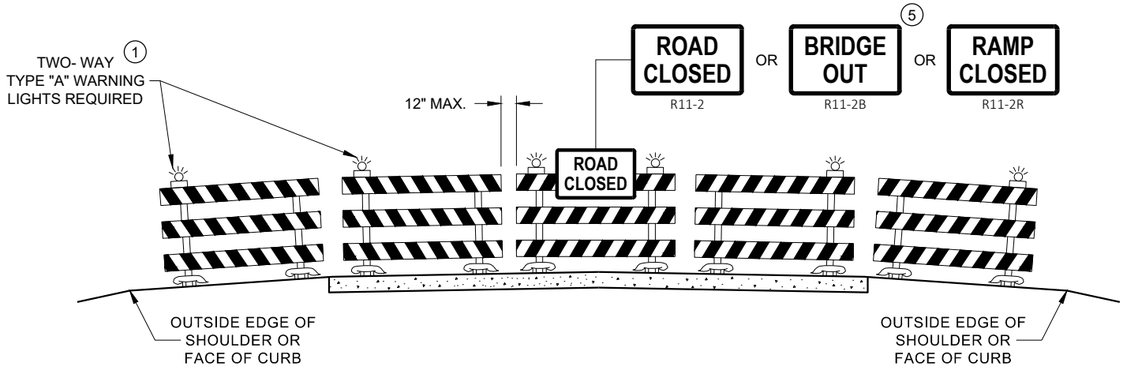
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

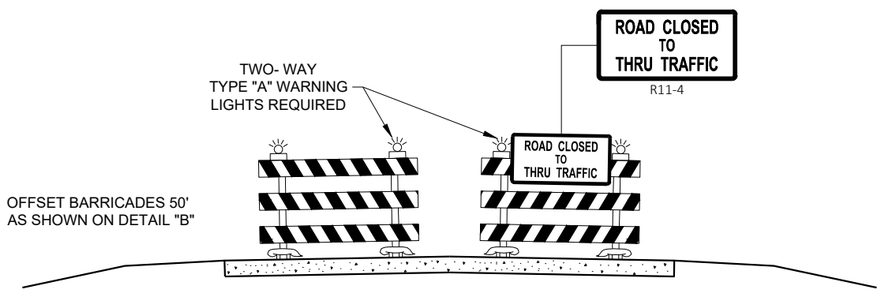
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

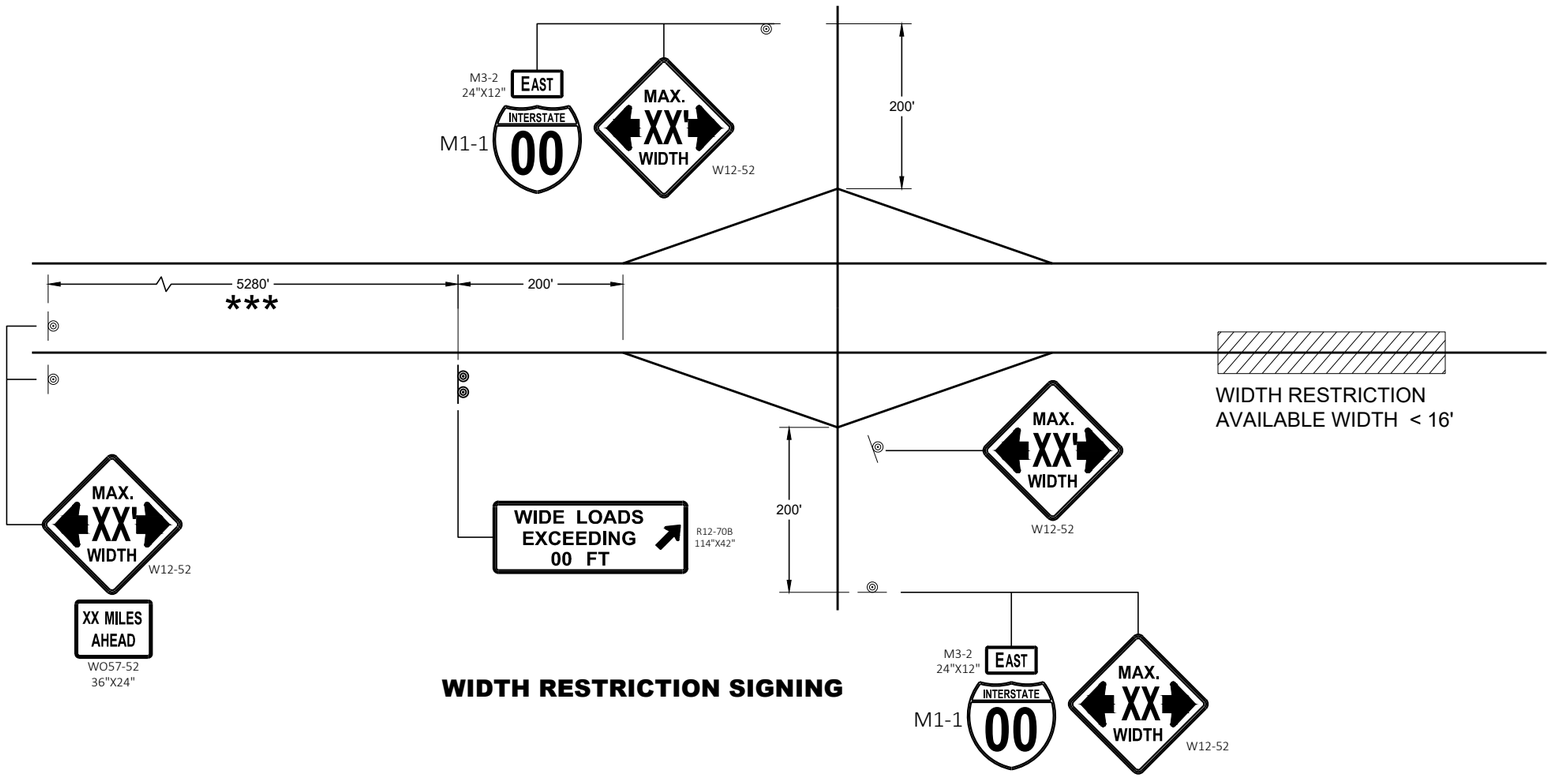
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

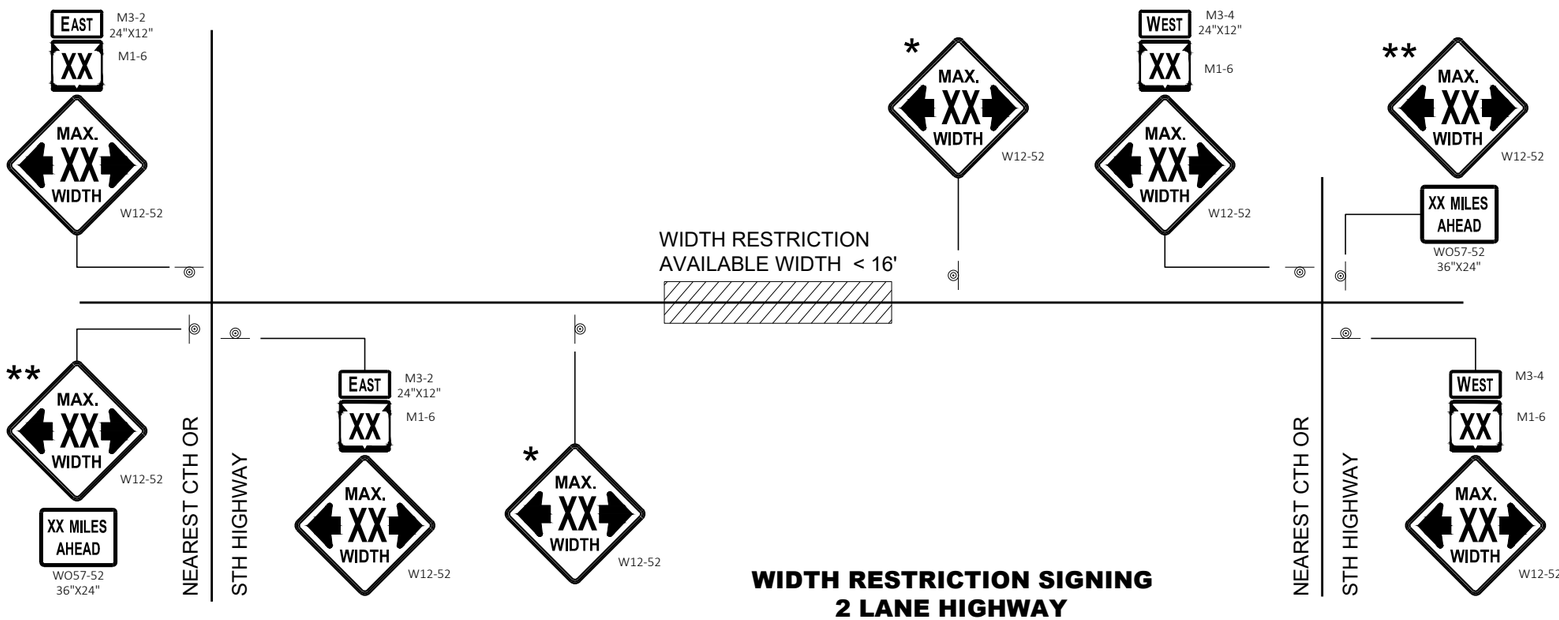
SDD 15C02 - 09b

6

SDD 15C02 - 09b



WIDTH RESTRICTION SIGNING



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL " IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** SIGN SHALL BE VISIBLE FROM ROADWAY.

*** ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.



WIDTH ON SIGN TO BE APPROX. 1 - FOOT LESS THAN AVAILABLE WIDTH

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

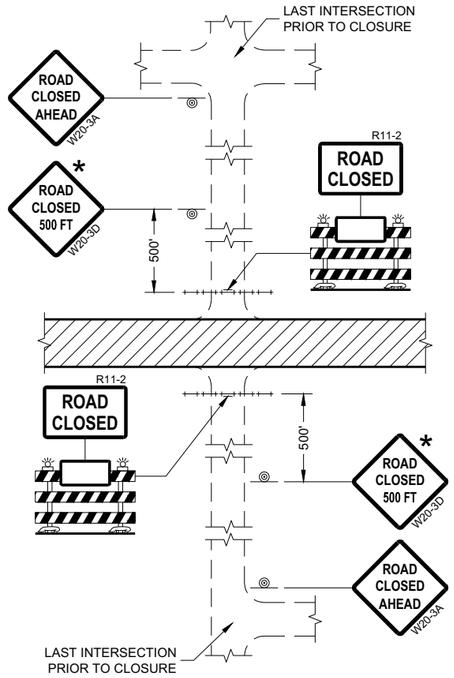
FHWA

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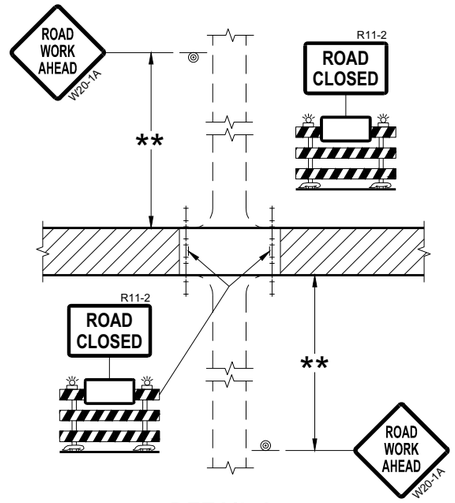
SDD 15C02 - 09f

6

SDD 15C02 - 09f



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

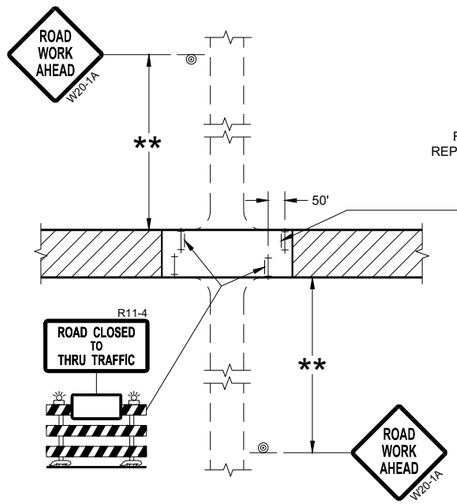
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

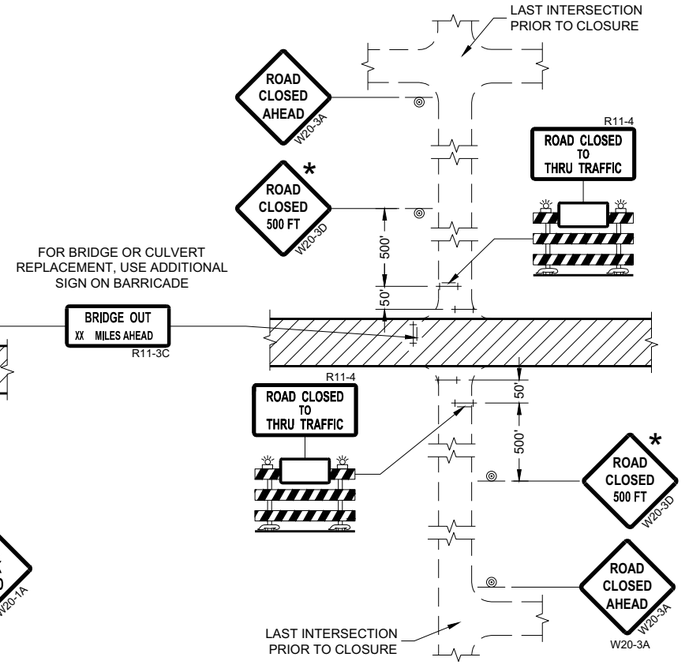
THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.





DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C03 - 05

SDD 15C03 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

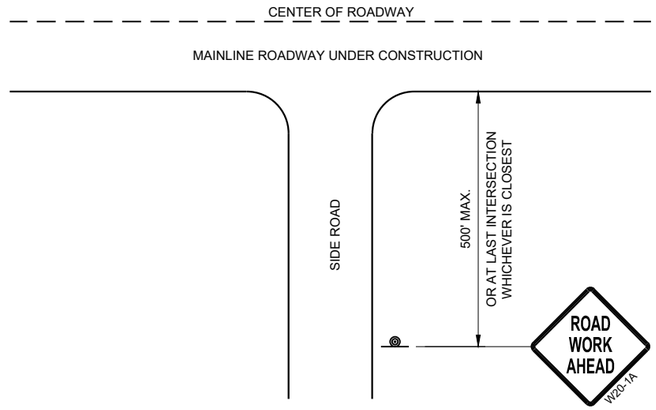
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



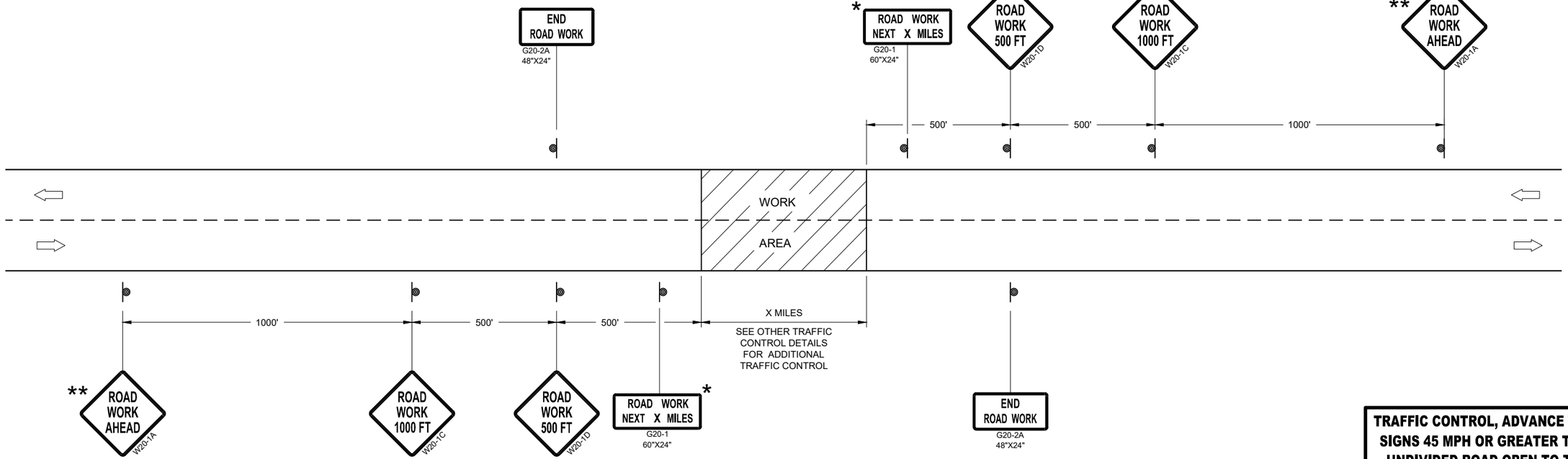
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C04 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

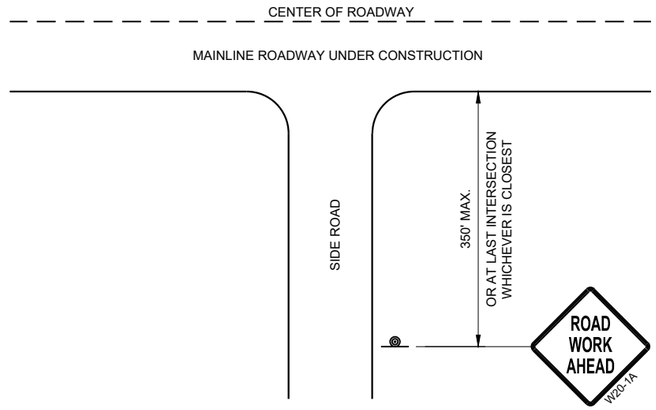
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

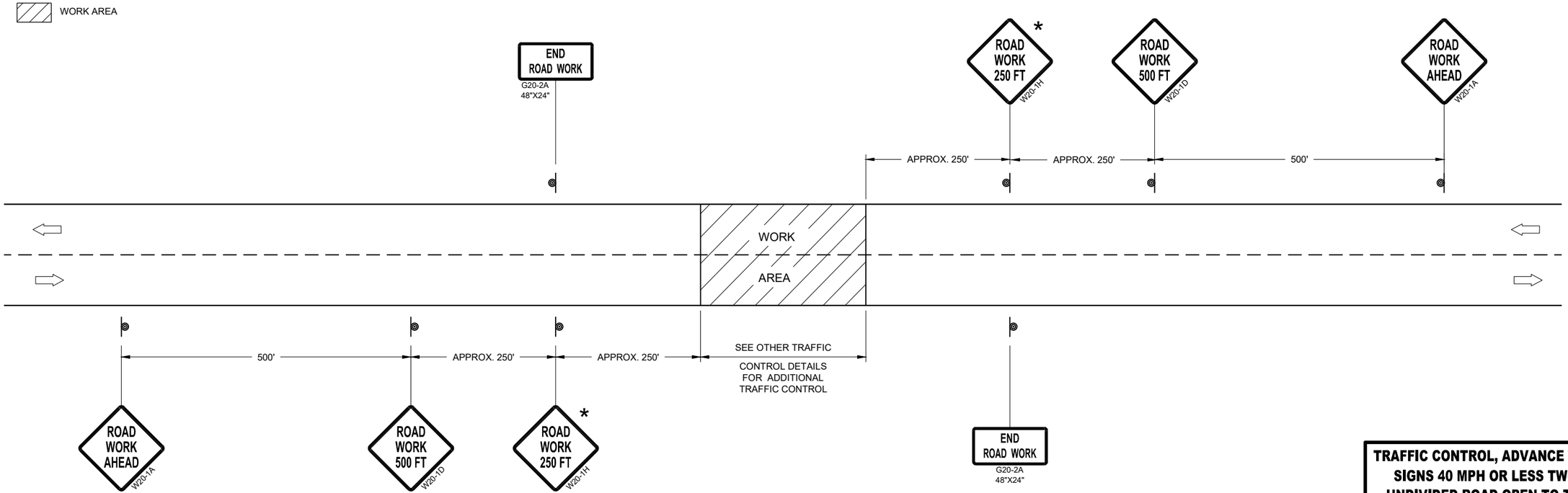
* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

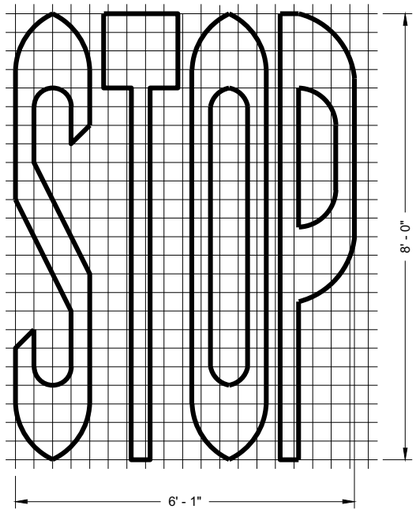
APPROVED
July 2018
DATE

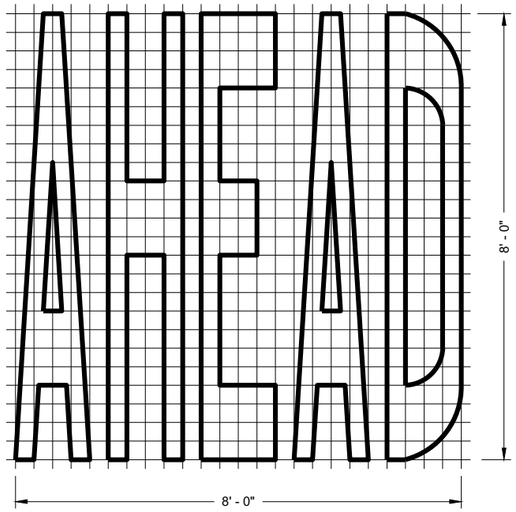
/S/ Andrew Heidtke
WORK ZONE ENGINEE

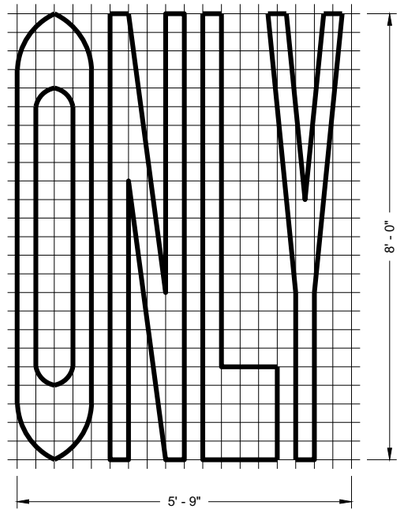
FHWA

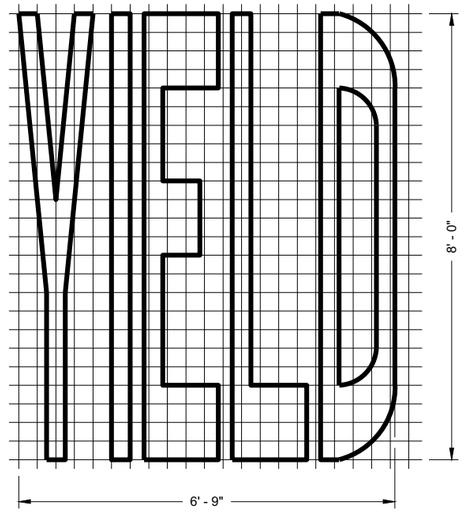
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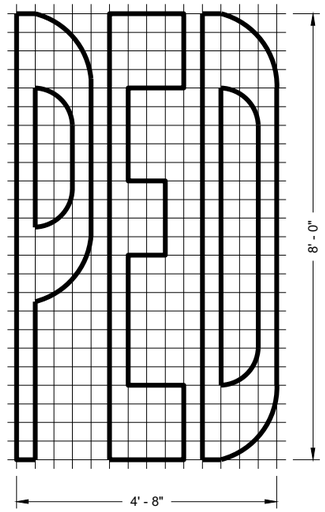
SDD 15C05 - 05

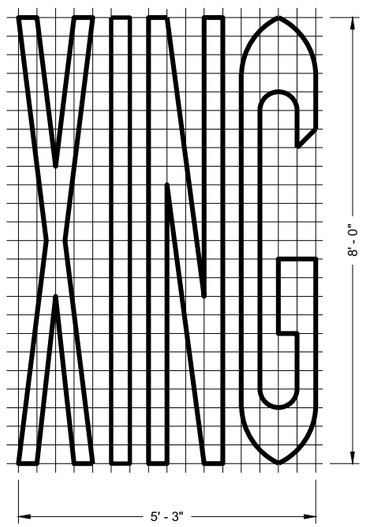


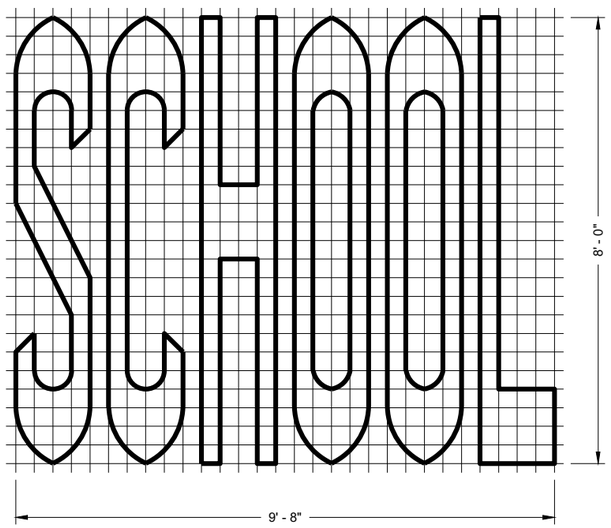




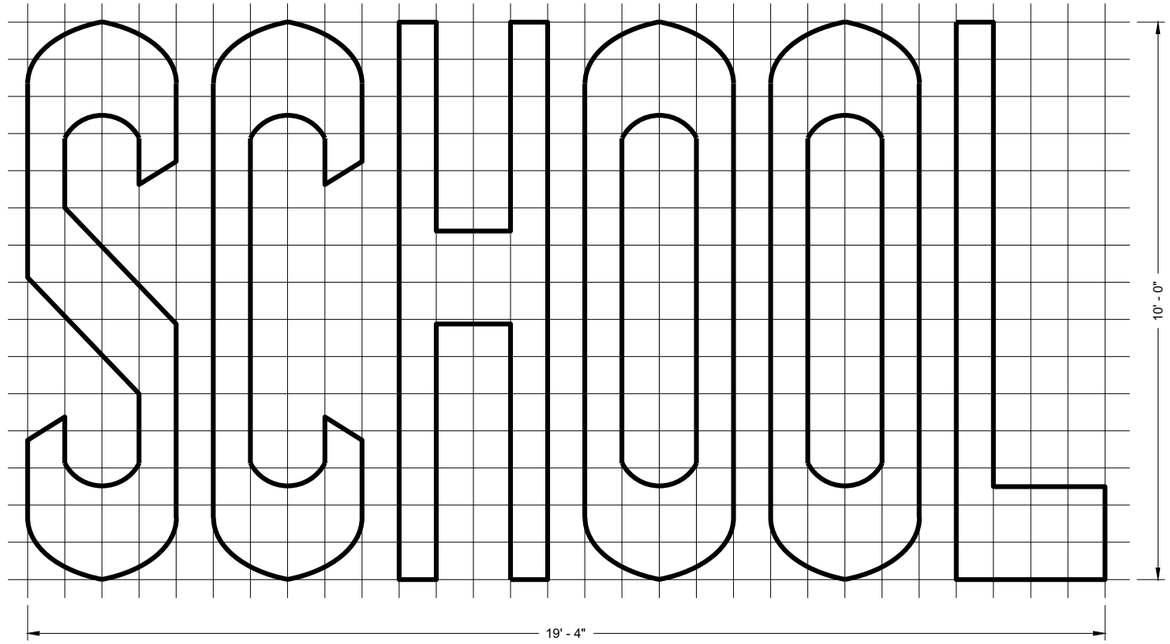








SINGLE LANE



TWO - LANE

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

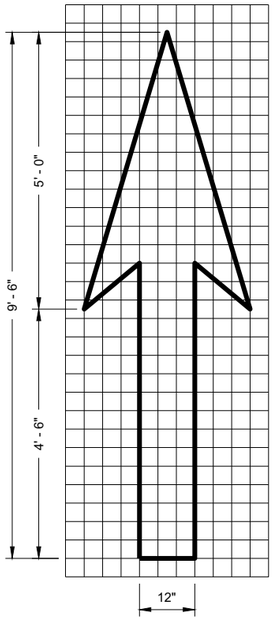
FHWA

6

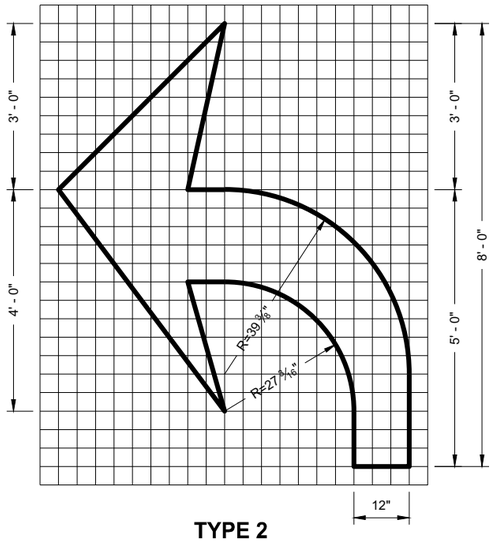
SDD 15C07 - 15b

GENERAL NOTES

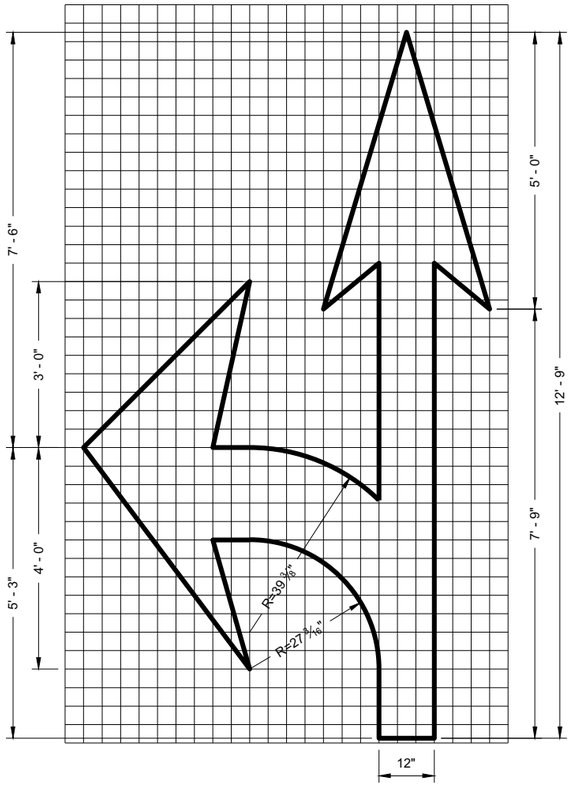
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



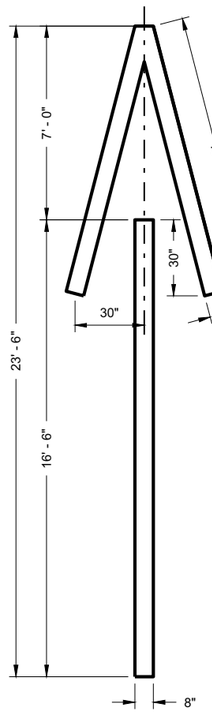
TYPE 1



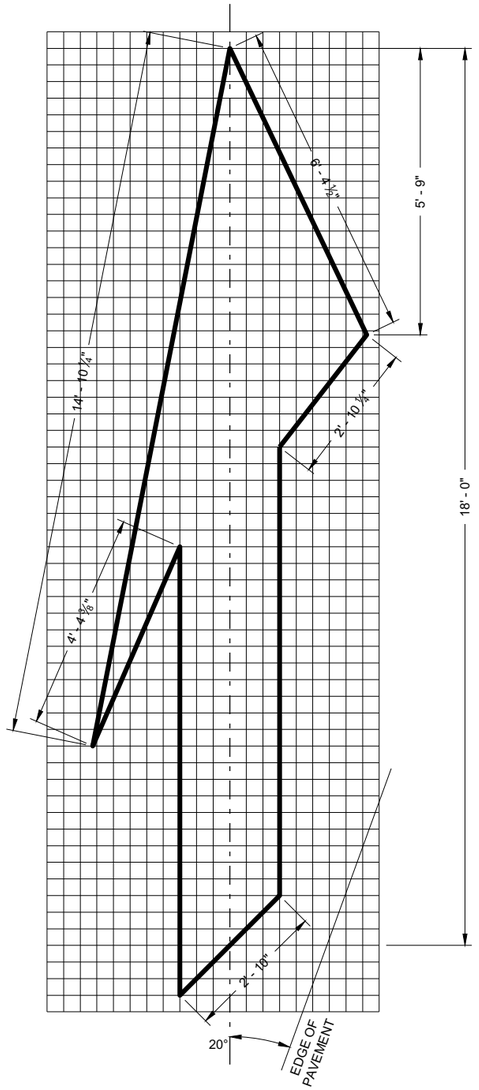
TYPE 2



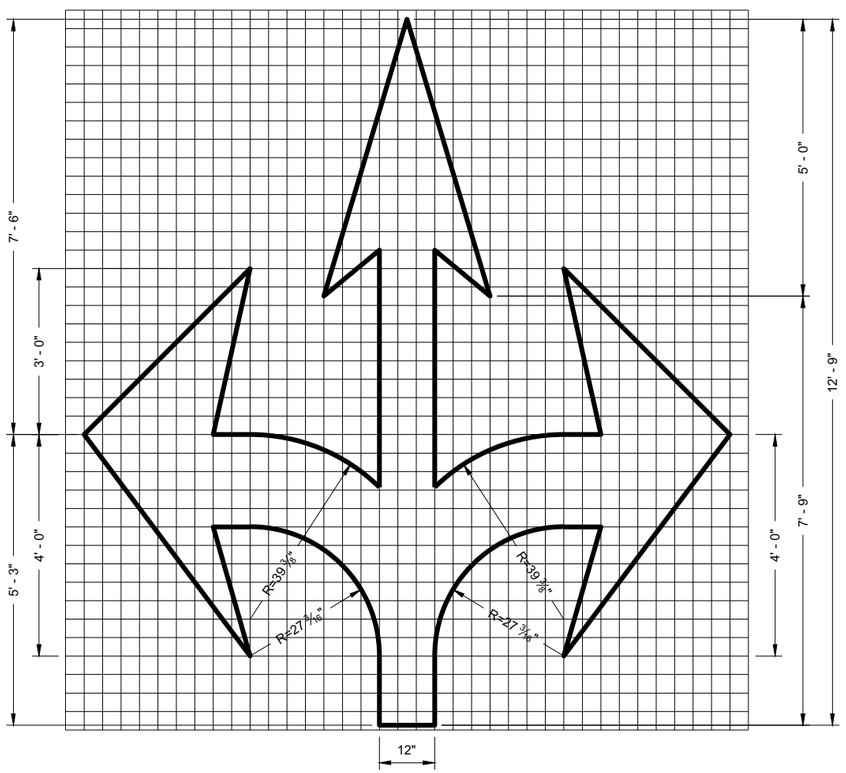
TYPE 3



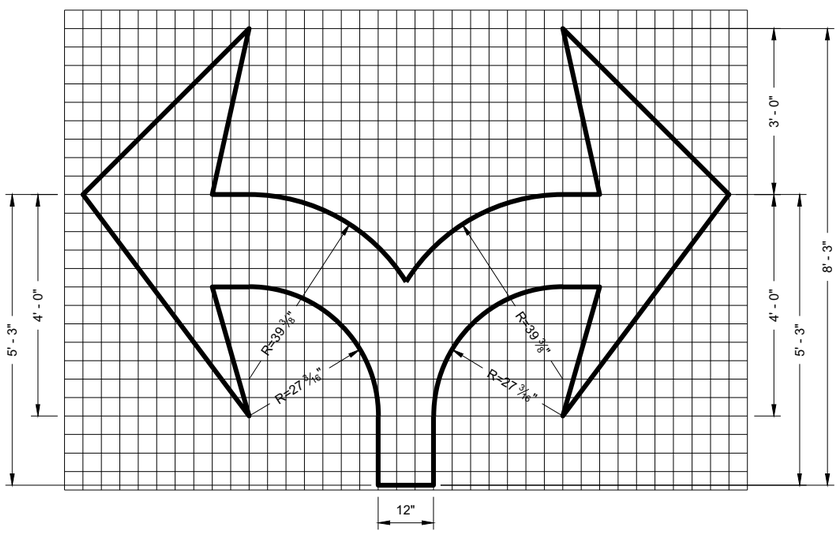
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

FHWA

331

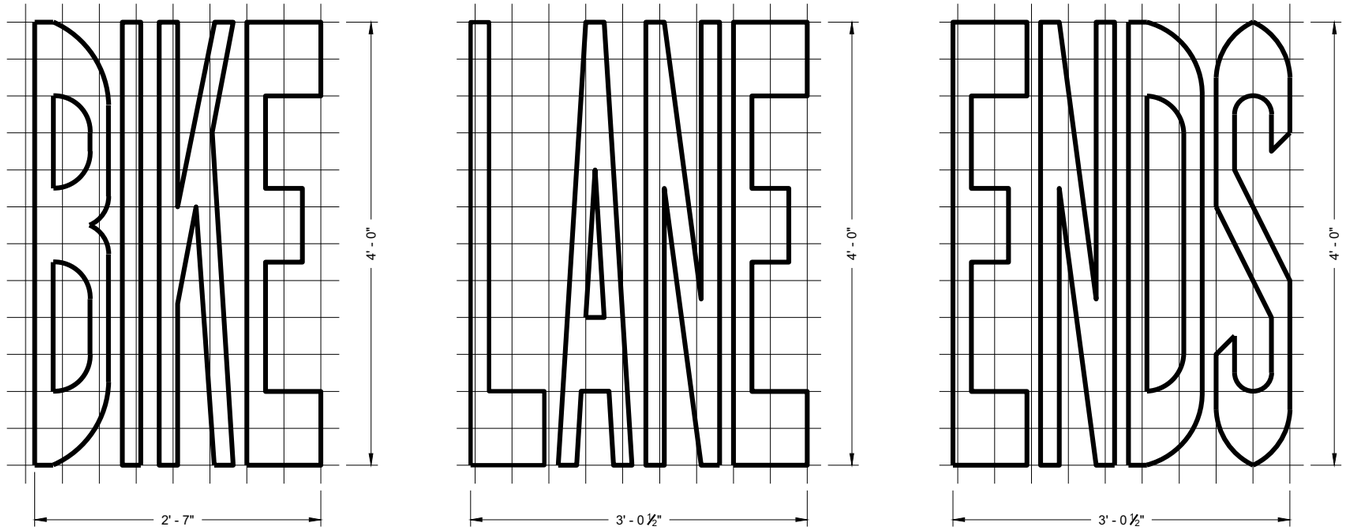
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SDD 15C07 - 15c

6

SDD 15C07 - 15c

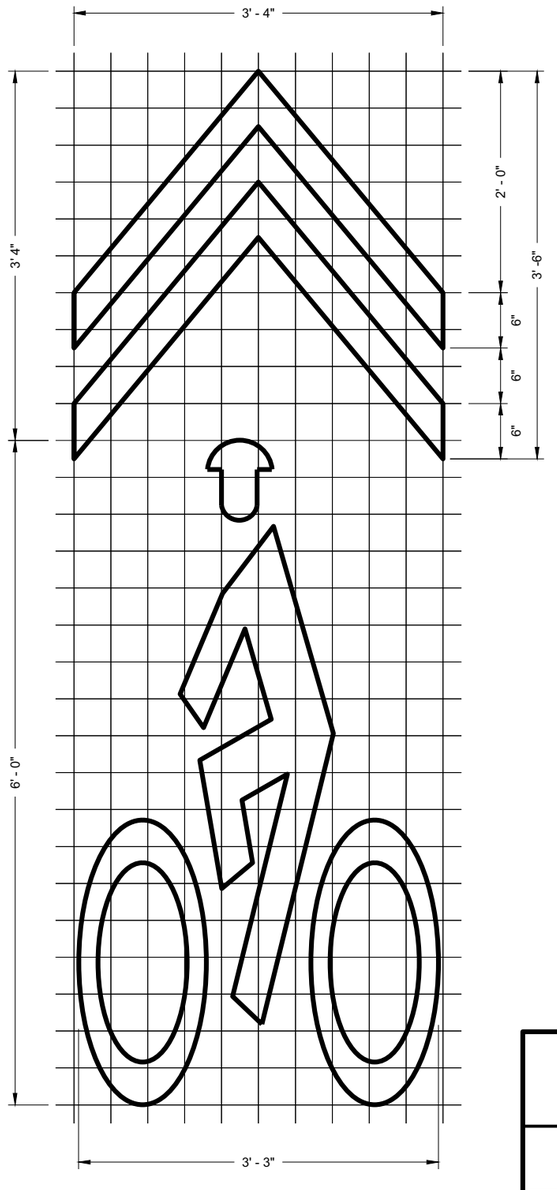
SDD 15C7-e Pavement Marking For Bike Lanes

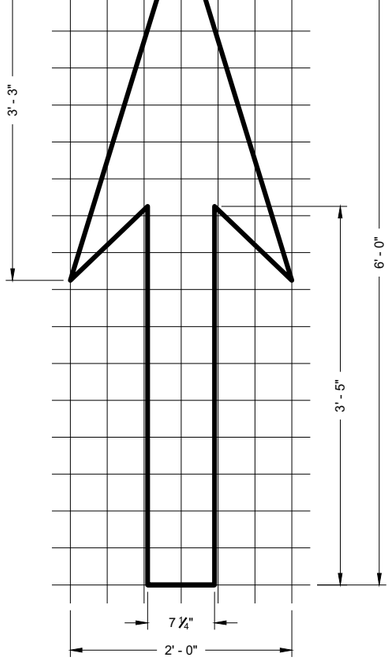


BIKE LANE WORDS

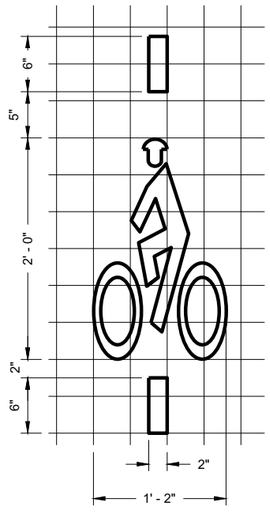
GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

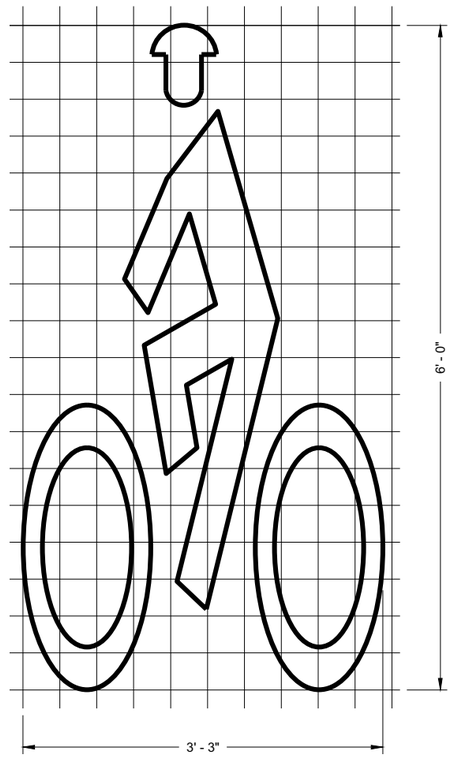




BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING



BIKE LANE SYMBOL

BIKE LANE SYMBOL FOR SHARED LANE

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

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6

SDD 15C07 - 15e

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

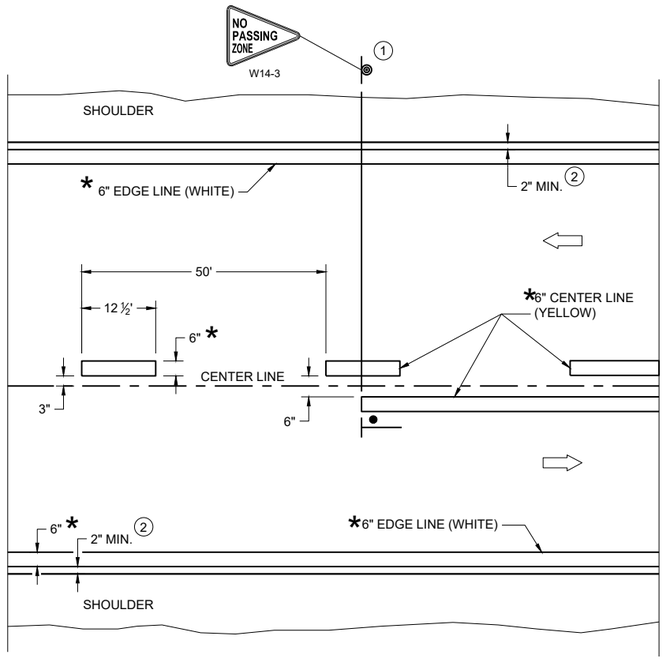
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

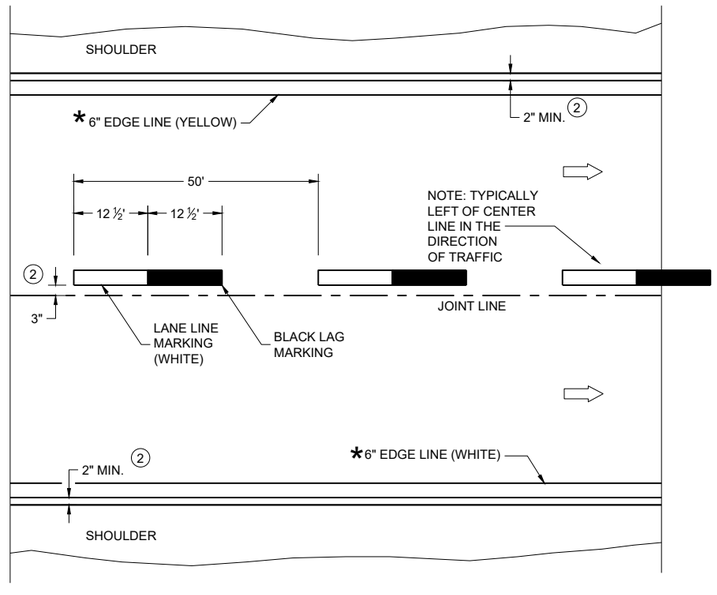
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

6

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

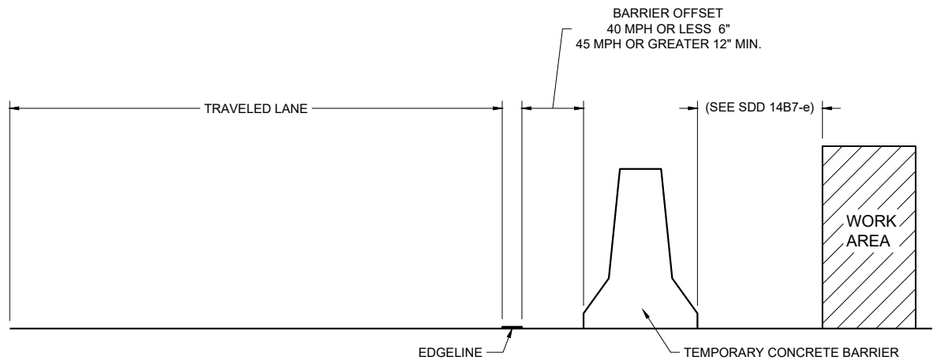
APPROVED

May 2023
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

SDD 15C08-23a



TEMPORARY BARRIER OFFSET FROM EDGELINE

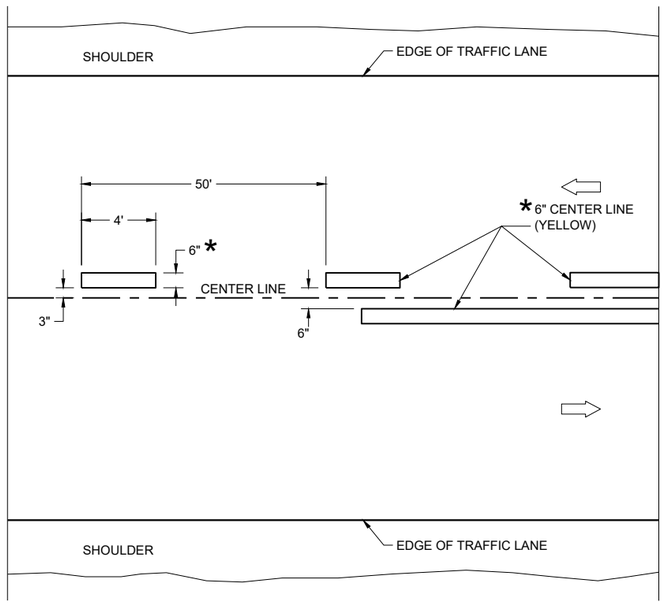
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

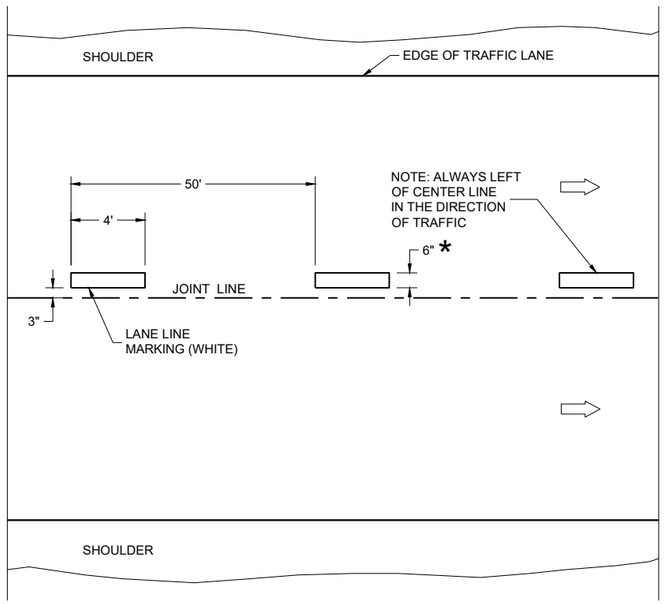
LEGEND

DIRECTION OF TRAFFIC

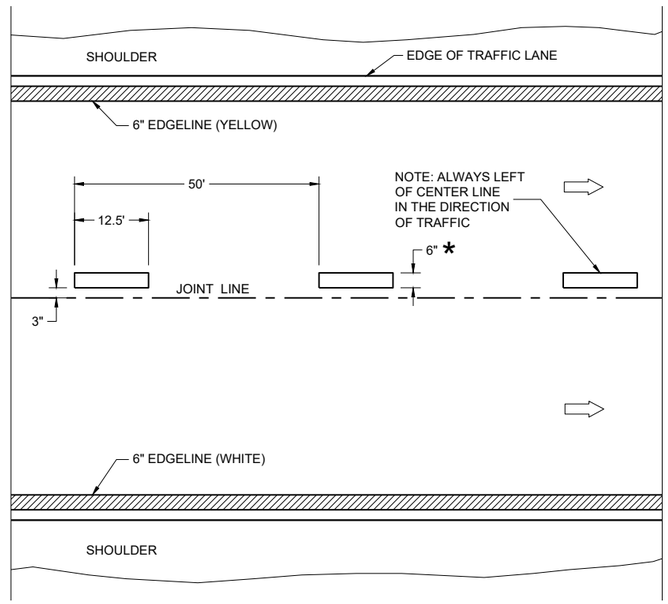
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — Statewide Pavement Marking Engineer

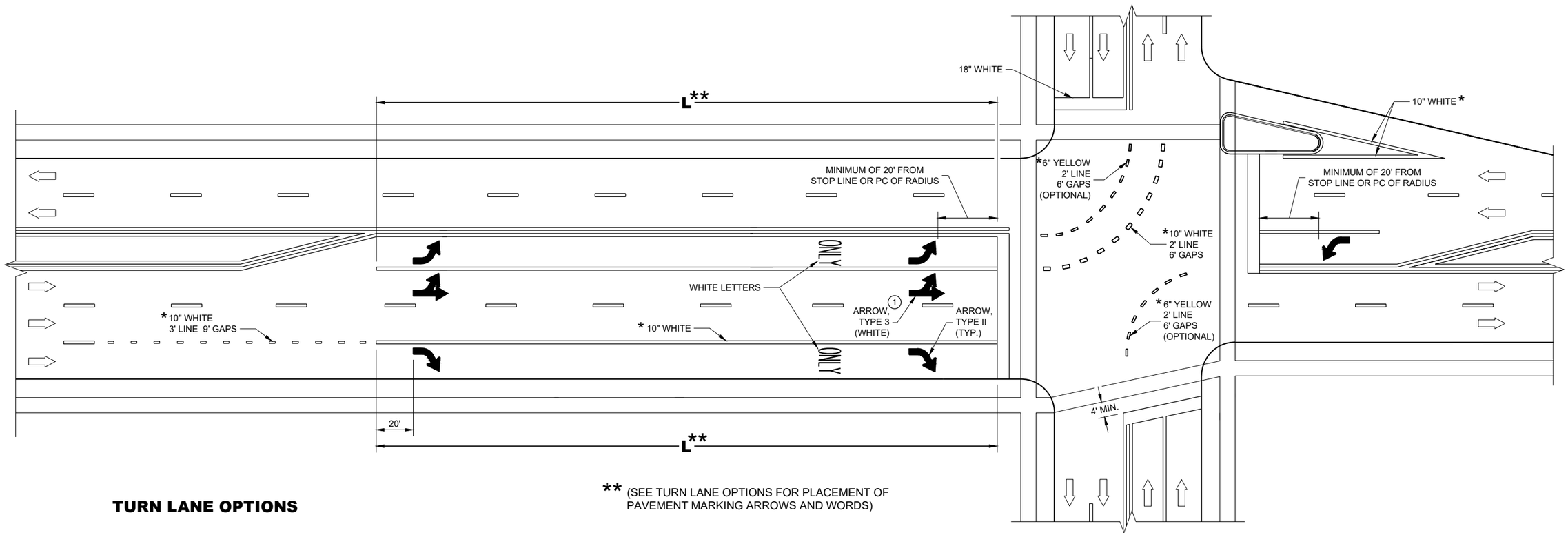
FHWA

6

SDD 15C08-23b

6

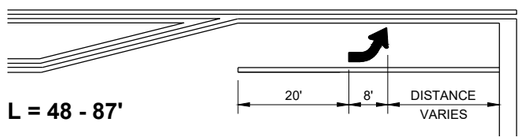
SDD 15C08-23b



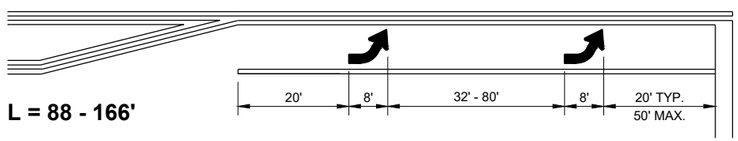
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

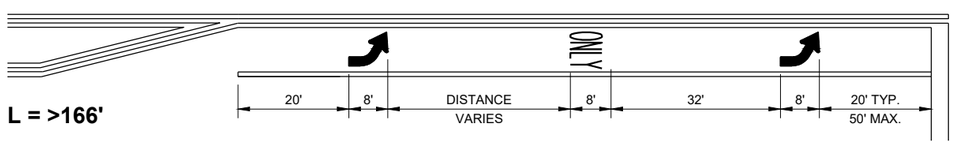
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

(1) QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

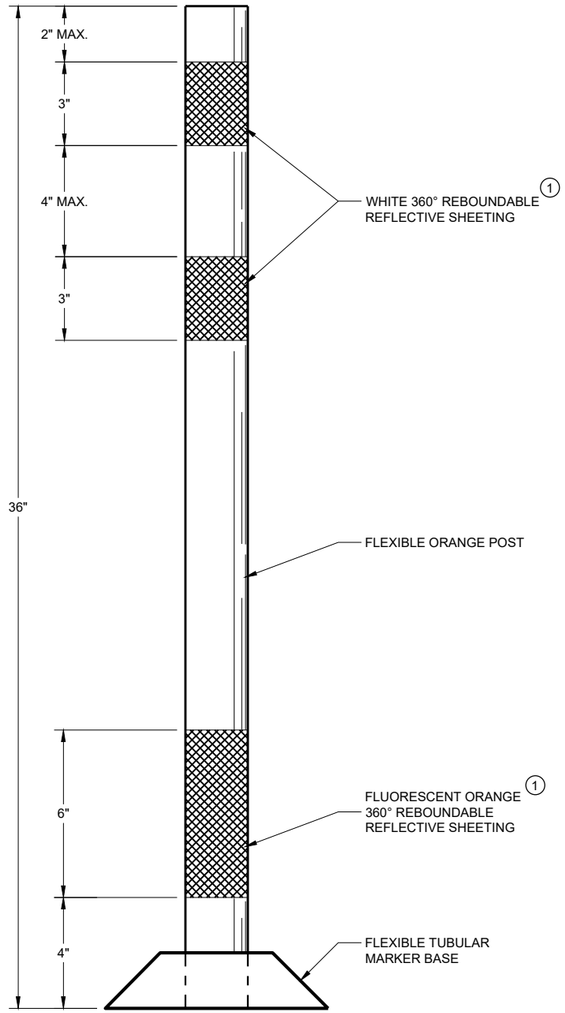
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08-23d



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

6

SDD 15C11 - 10a

CHANNELIZING DEVICES
FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

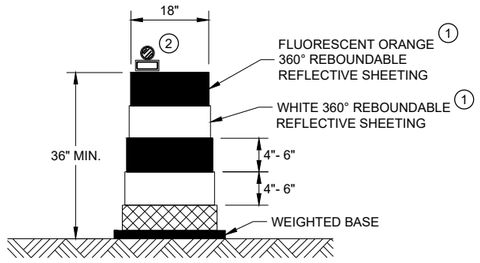
FHWA

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SDD 15C11 - 10a

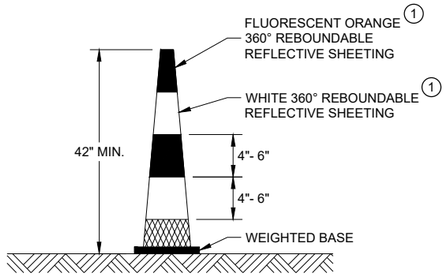
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

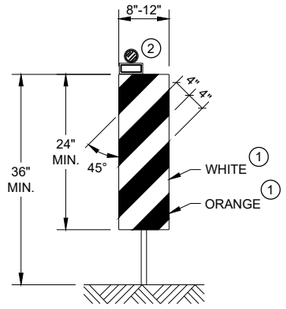
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

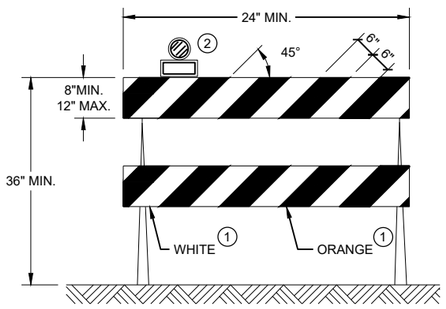
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



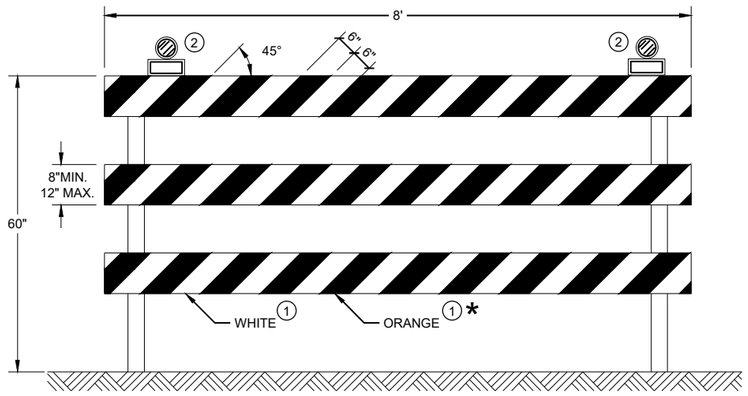
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C11 - 10b
SDD 15C11 - 10b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

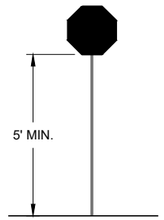
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



STOP/SLOW PADDLE ON SUPPORT STAFF

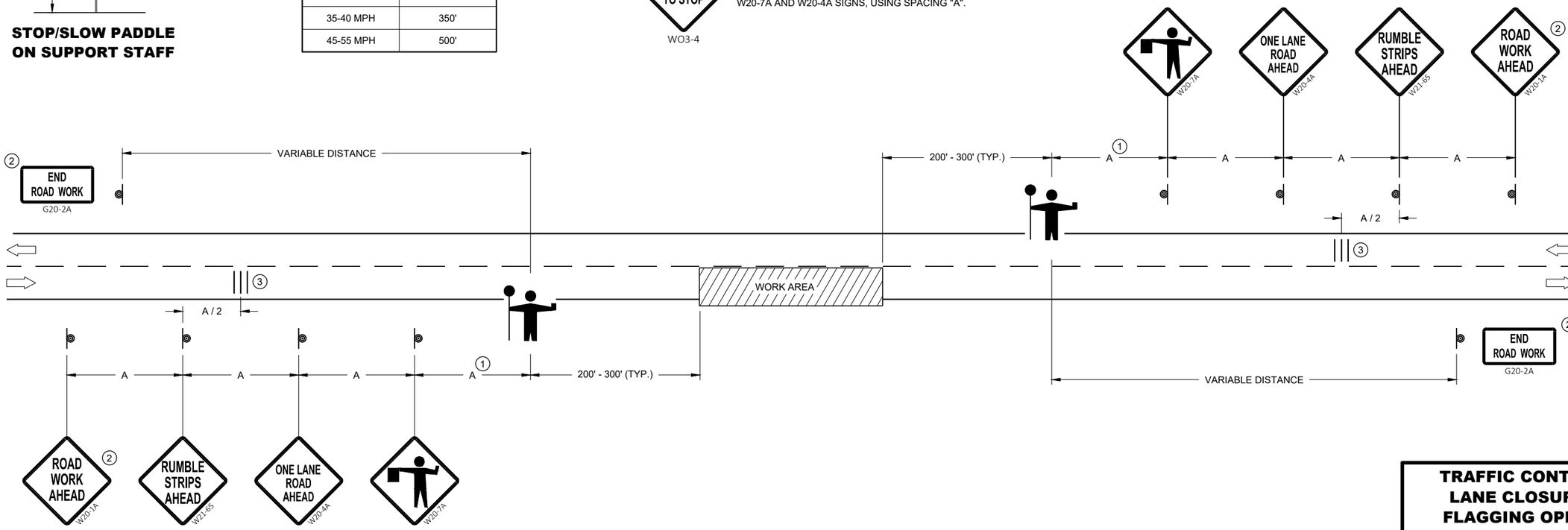
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

338

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SDD 15C12 - 09a

6

SDD 15C12 - 09a

GENERAL NOTES

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL CONE 42-INCH

TRAFFIC CONTROL DRUM

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

AFAD — AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD)

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

IF THE AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD) STOPS WORKING, FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

(1) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

(2) IF FLAGGERS ARE PHYSICALLY NEEDED TO FLAG, REPLACE WO3-4 SIGNS WITH W20-7A SIGNS.

TEMPORARY PORTABLE RUMBLE STRIPS

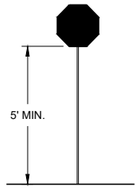
UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

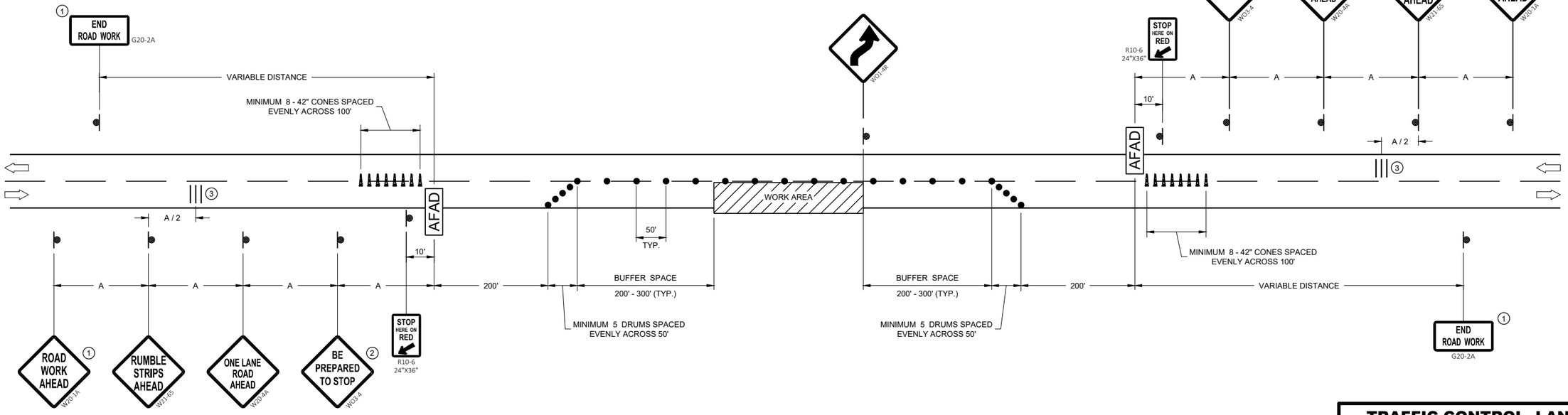
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSELY AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER.



STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

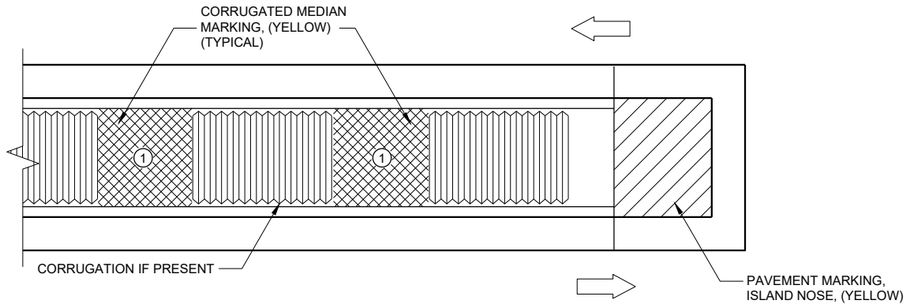
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

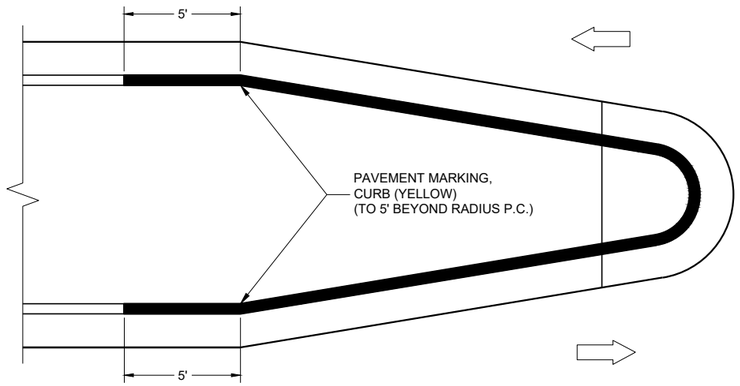
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SDD 15C12 - 09b

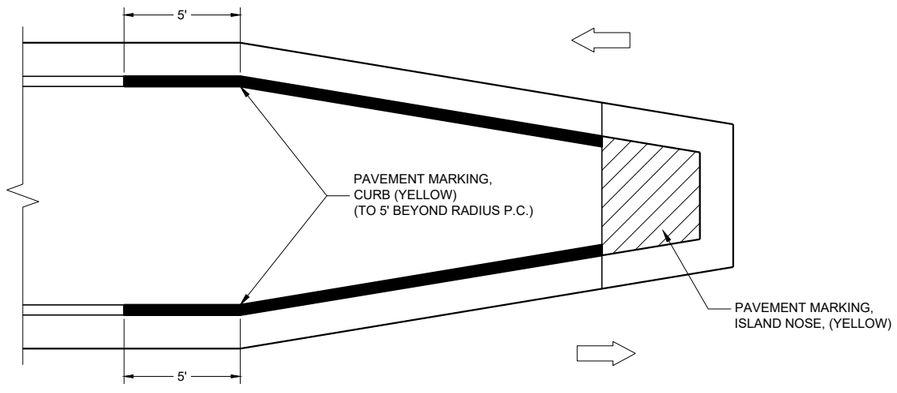
SDD 15C12 - 09b



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Jeannie Silver
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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SDD 15C18-08b

LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

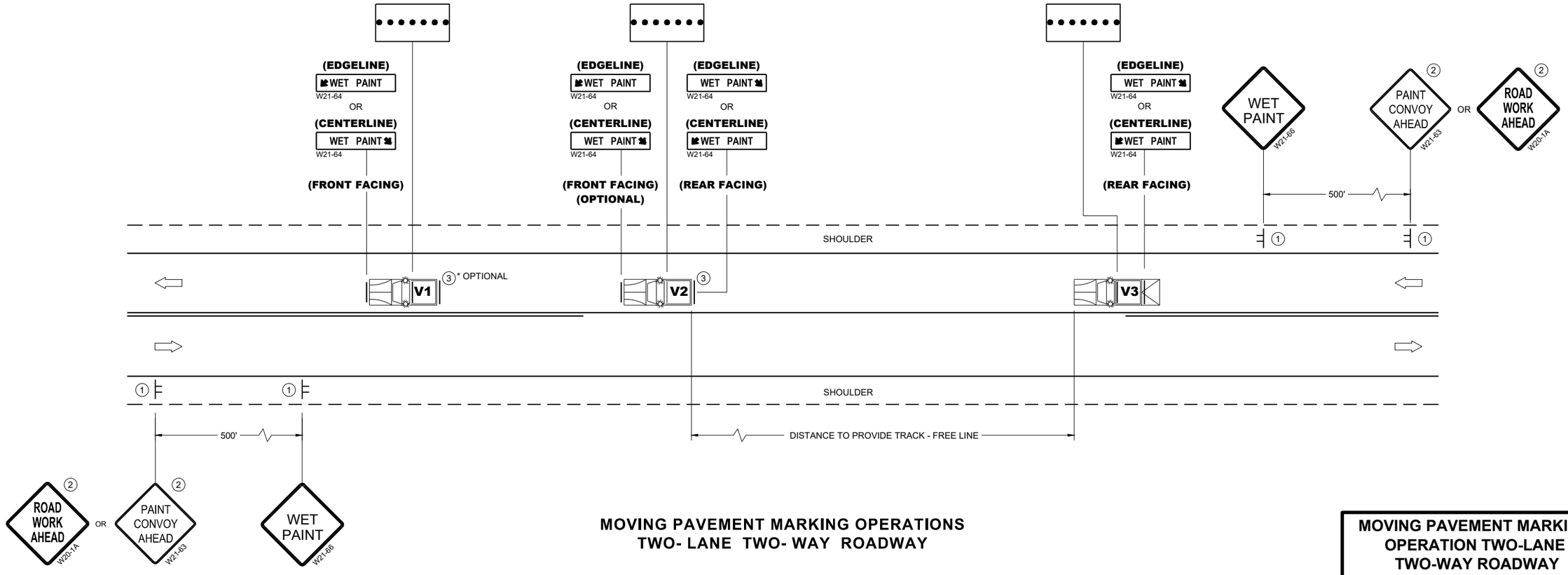
CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 28" FOR WET PAVEMENT MARKING .

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY MAJOR INTERSECTION.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.

(3) V1 AND V2 CAN BE SWITCHED SO THAT THE MARKER IS THE LEAD VEHICLE.



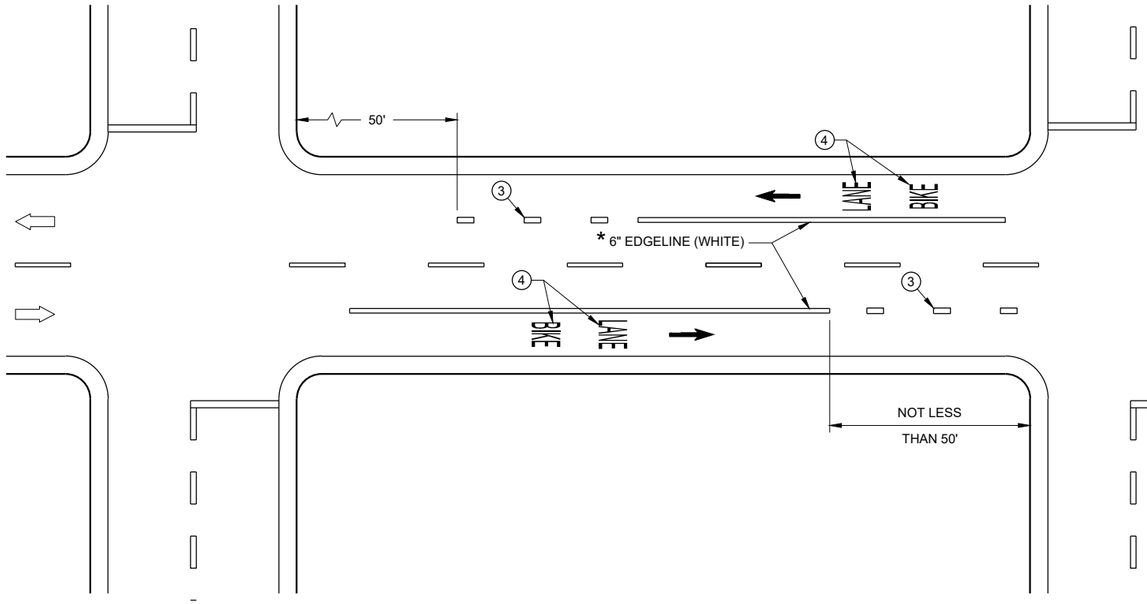
MOVING PAVEMENT MARKING OPERATIONS
TWO- LANE TWO- WAY ROADWAY

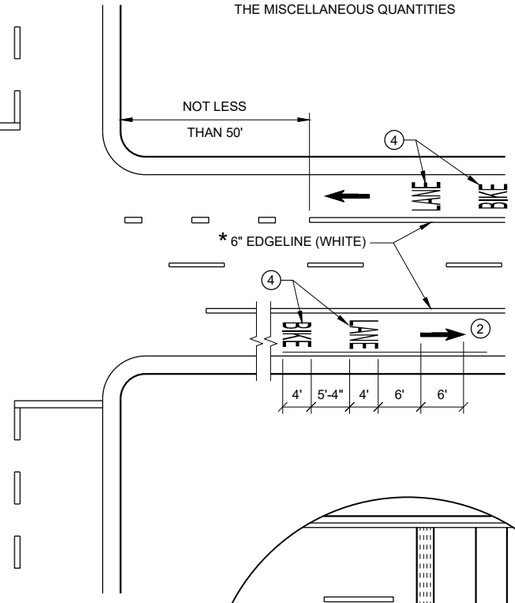
MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2024 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

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SDD 15C19-9a





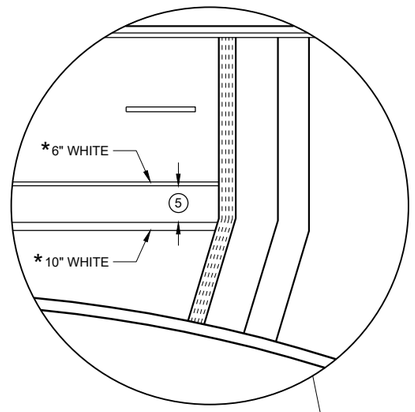
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

GENERAL NOTES

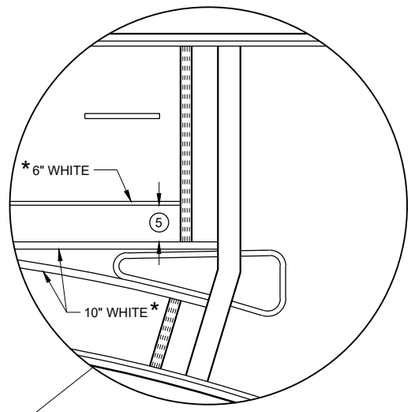
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. BIKE SYMBOLS OR WORDS MAY BE USED.
5. BIKE ACCOMMODATION IS TYPICAL 5 FEET WIDE AND MINIMUM OF 4 FEET FROM A LONGITUDINAL JOINT. USE 5 FEET AT ≥ 45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FOOT WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

DIRECTION OF TRAVEL

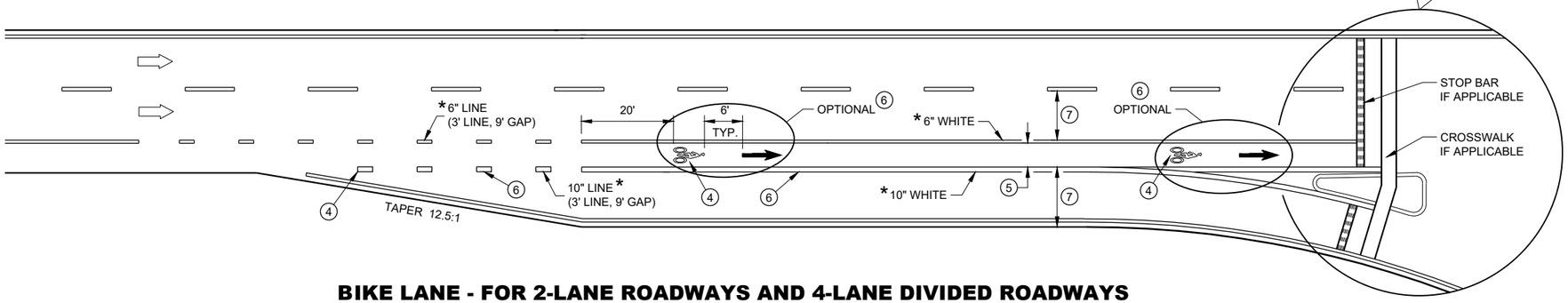
DESIGNATED BIKE LANE - NO PARKING



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS
(4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

BIKE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER
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SDD 15C29-08a

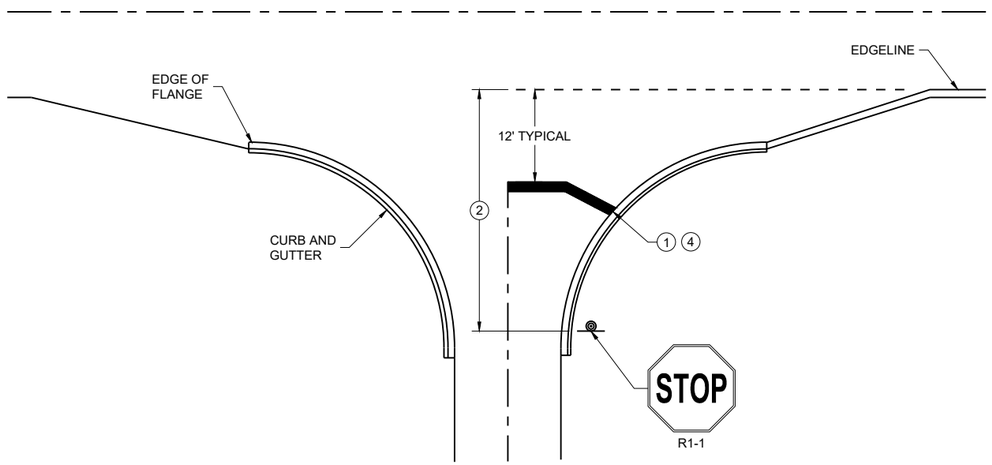
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SDD 15C29-08a

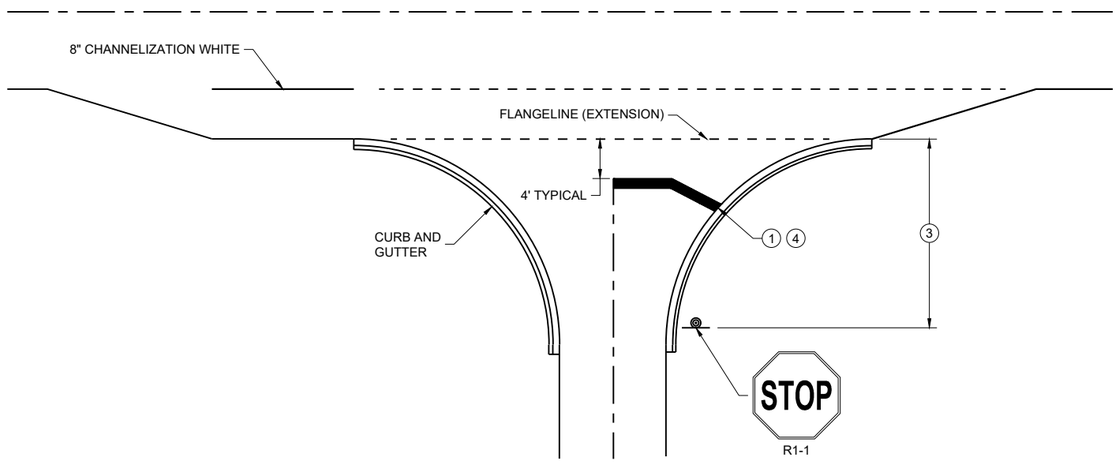
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

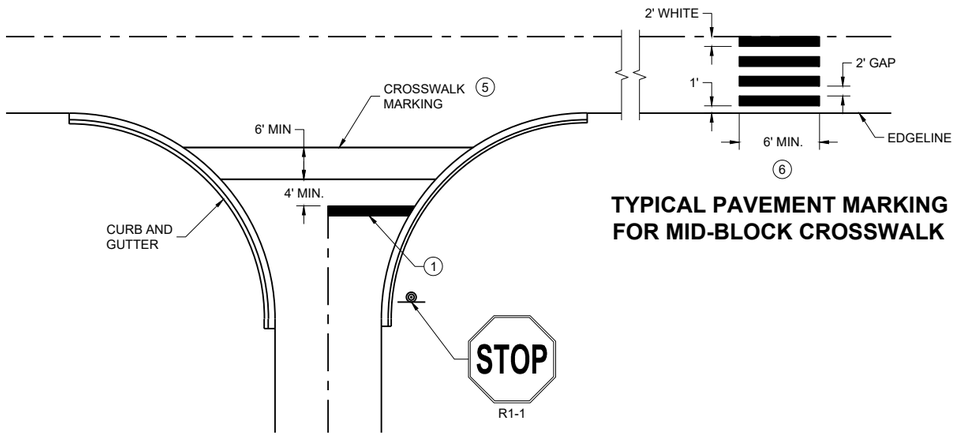
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES.
6. POSTED SPEED LIMITS OF 40 MPH OR GREATER USE A MINIMUM WIDTH OF 8' FOR MIDBLOCK CROSSWALKS



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

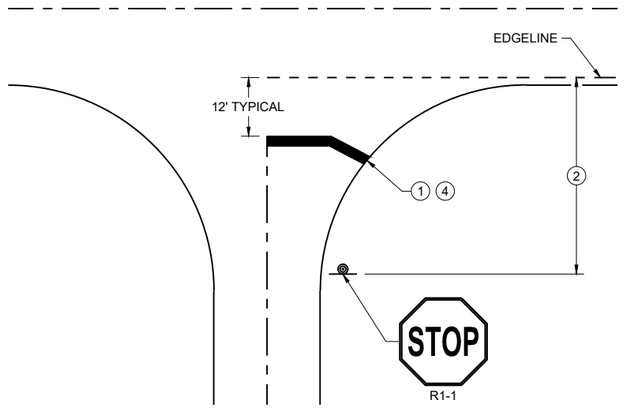


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK (5)

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

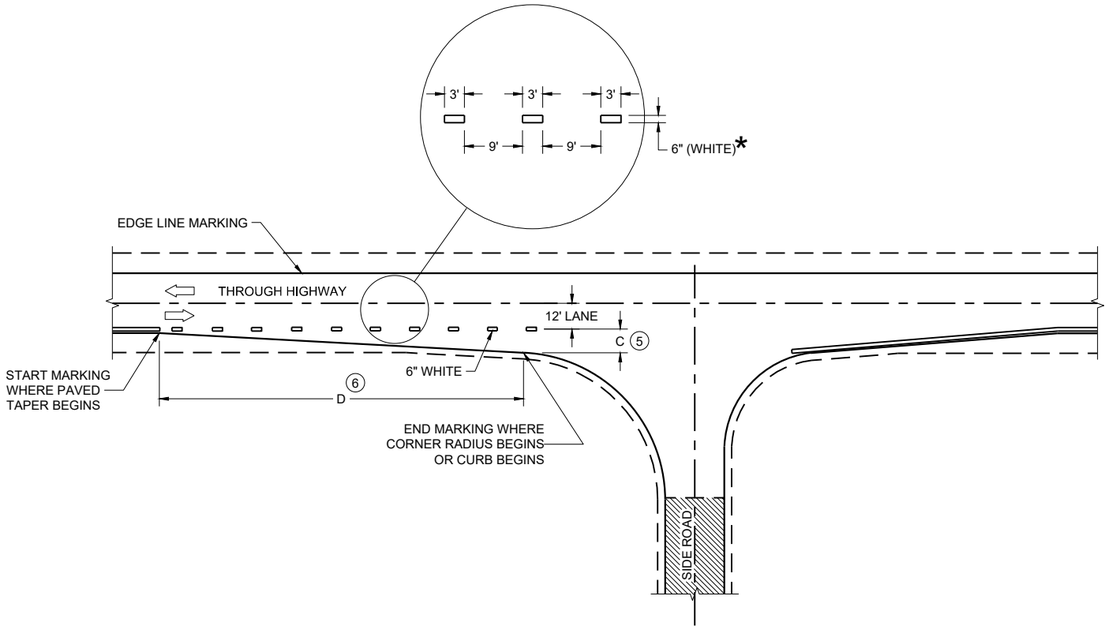
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

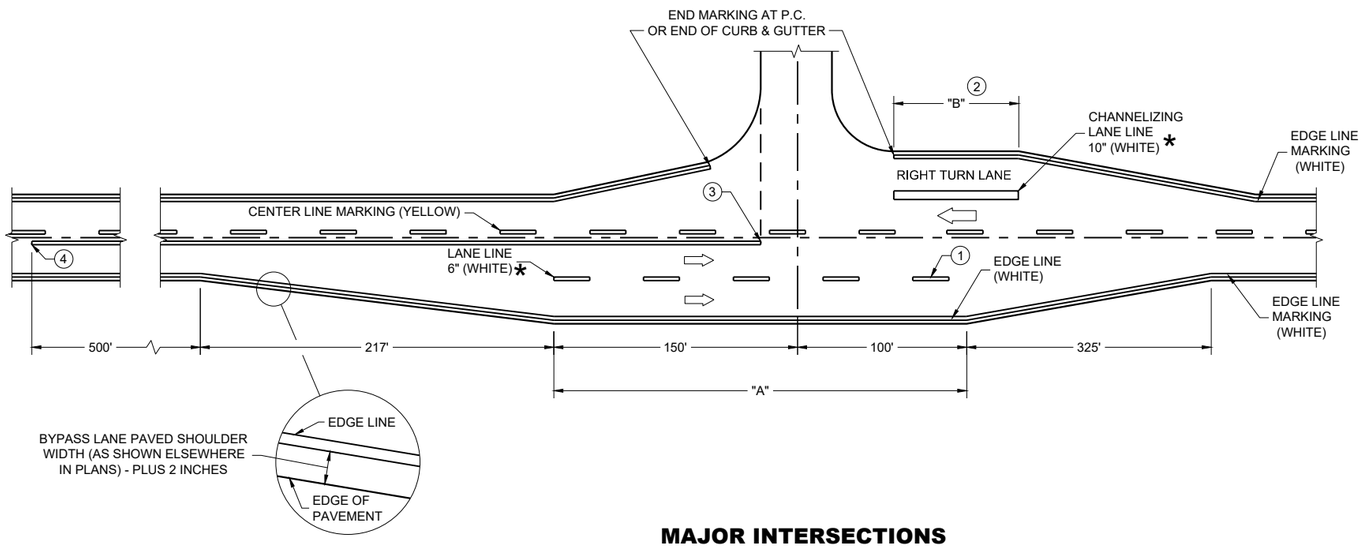
March 2024 — DATE

/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

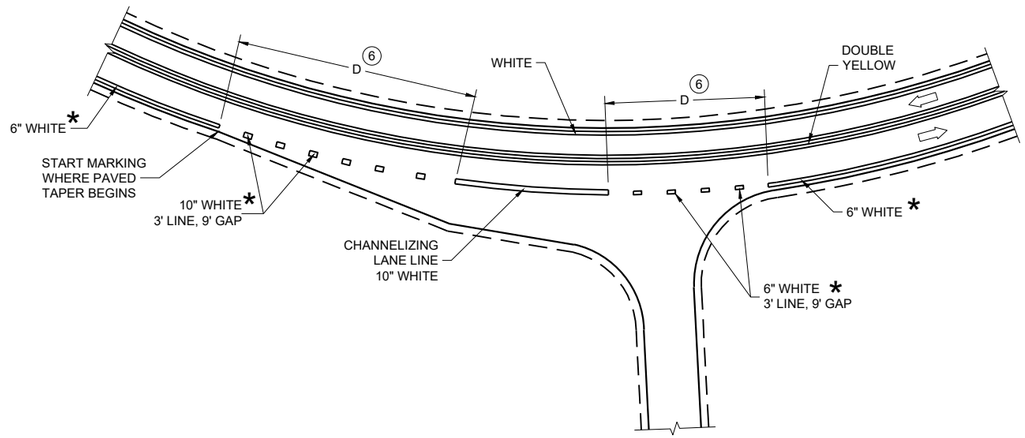
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

SIGN ON PERMANENT SUPPORT

DELINEATOR, FLEXIBLE/TUBULAR MARKER

DIRECTION OF TRAFFIC

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS.

A SINGLE ROW OF FLEXIBLE TUBULAR MARKERS ON CENTERLINE EXTEND FOR THE ENTIRE LENGTH OF TWO-WAY TRAFFIC AT 50 FOOT SPACING.

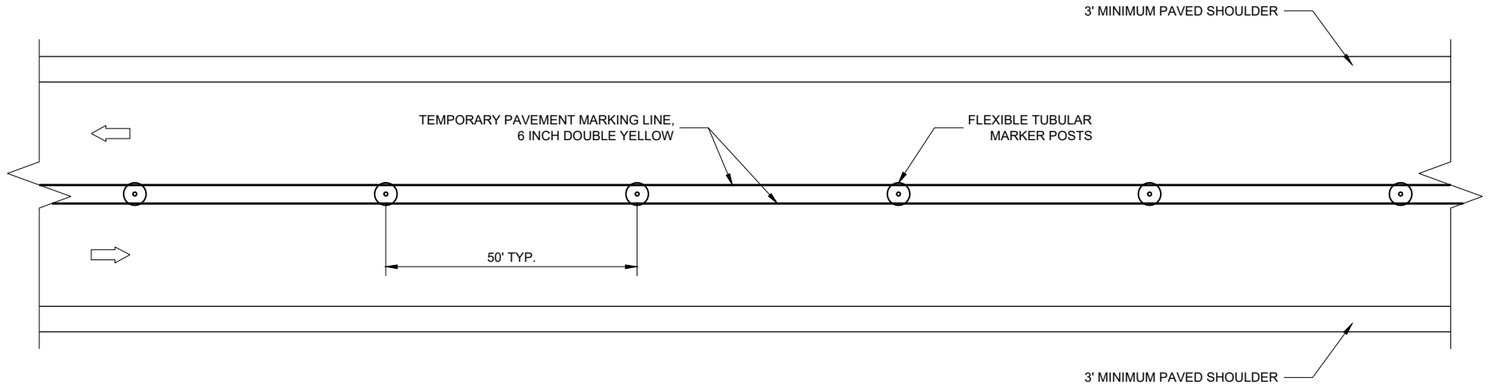
COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING LINE, 6 INCH DOUBLE YELLOW.





1. THE WO6-3 AND WO57-51 SHALL BE LOCATED 200 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND / OR 500 FEET BEYOND ANY SIDE ROAD. THE R4-1 SHALL BE LOCATED 1000 FEET BEYOND THE WO6-3 AND THE WO57-51 AND THE SIGNS SHALL BE ALTERNATED WITH ONE MILE INTERVALS BETWEEN THE SIGNS.

2. CONVENTIONAL: 24" X 30"
FREEWAY AND EXPRESSWAY: 36" X 48"



TWO LANE, TWO WAY OPERATION

6

SDD 15D06-06

TRAFFIC CONTROL
TWO LANE TWO WAY OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D06-06

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

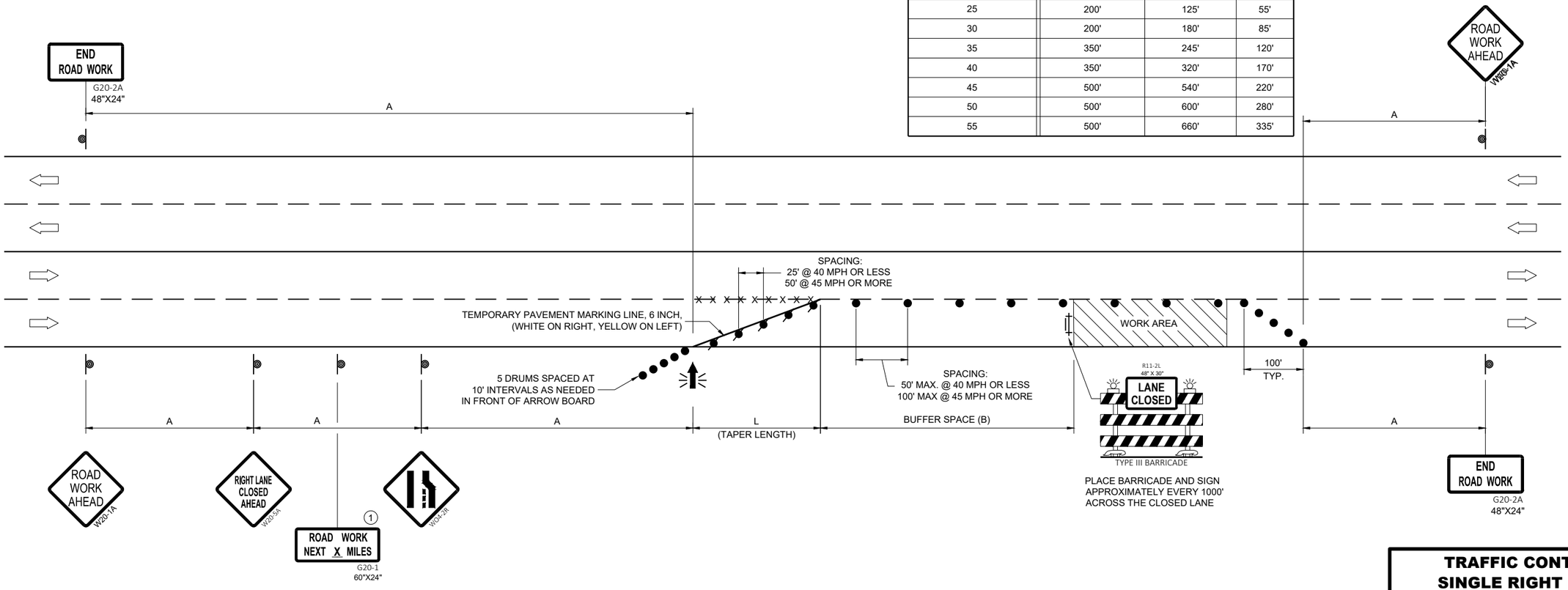
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'



TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

March 2024
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D20-08b

6

SDD 15D20-08b

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

DUE TO LACK OF SHOULDER/MEDIAN, ARROW BOARD IS PLACED AT THE THE END OF THE TAPER.

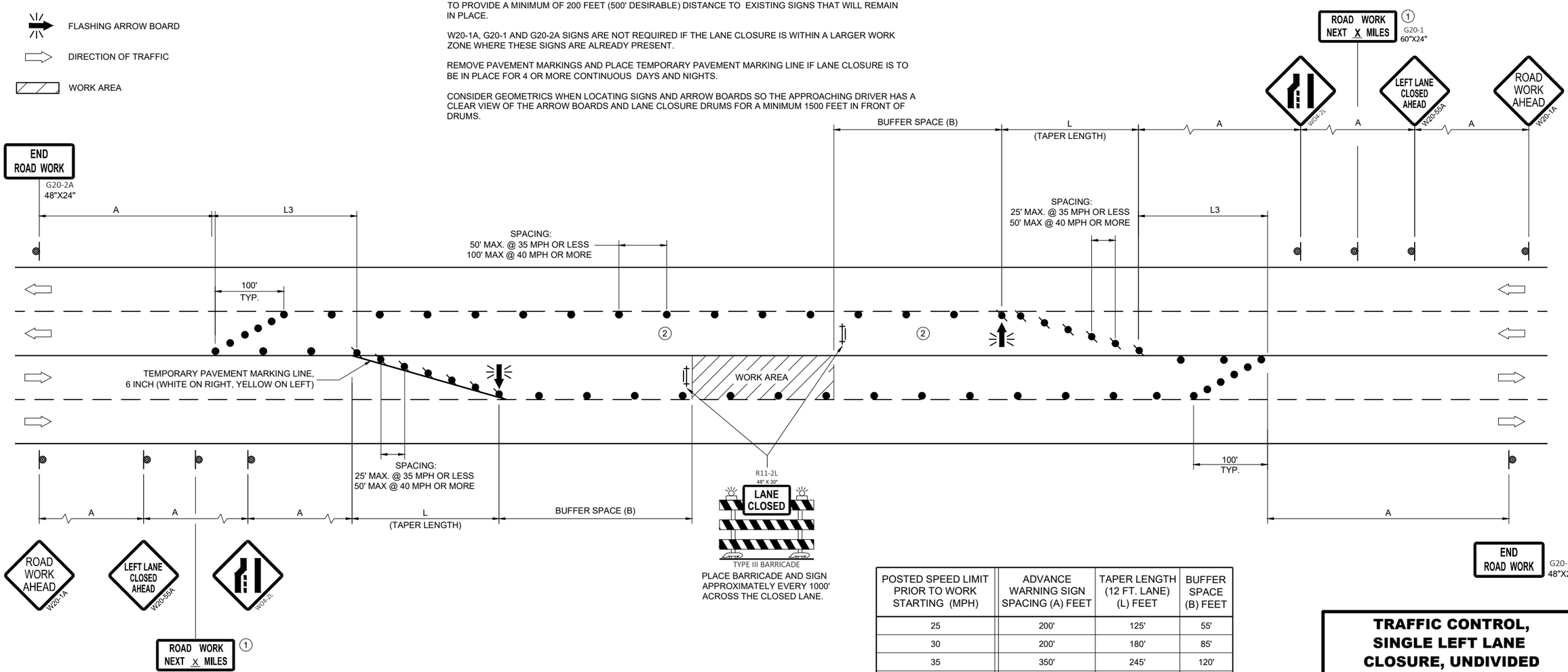
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CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) LANE MAY BE OPENED WHEN WORKERS ARE NOT PRESENT IN THE WORK AREA.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'

TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

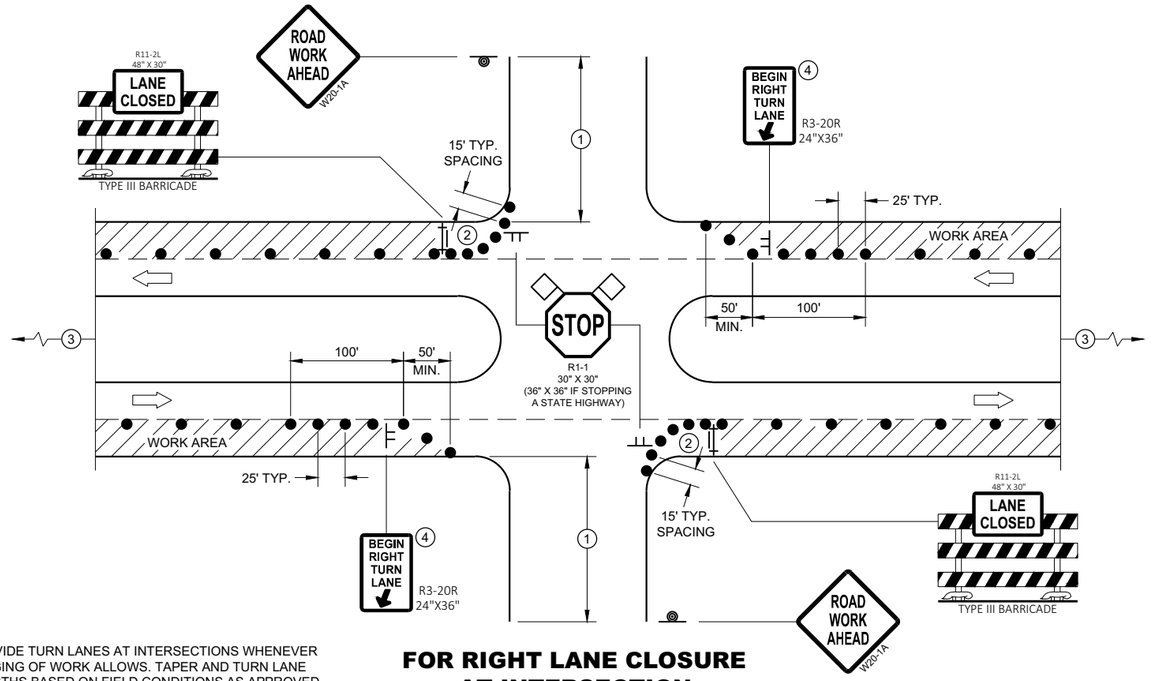
March 2024
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

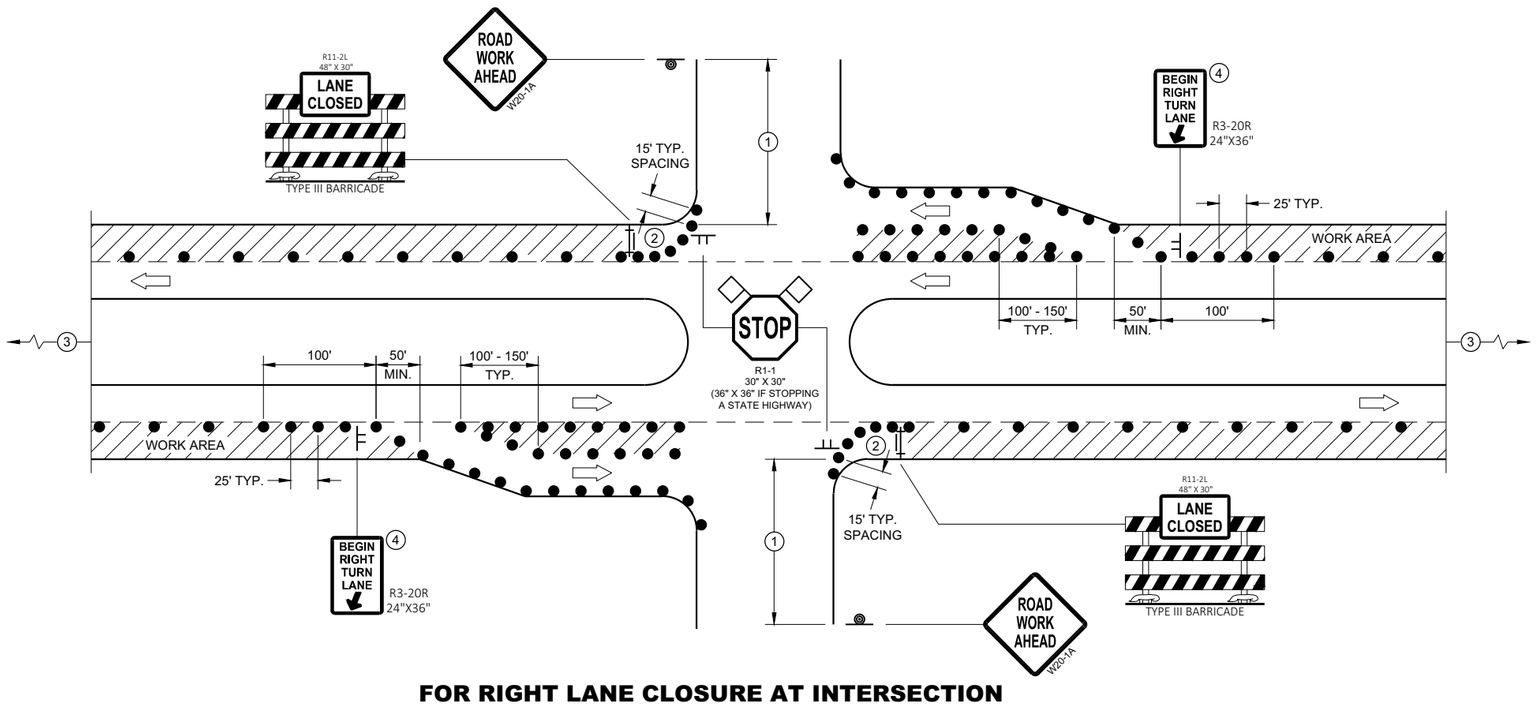
6

SDD 15D20-08c
SDD 15D20-08c



FOR RIGHT LANE CLOSURE AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.

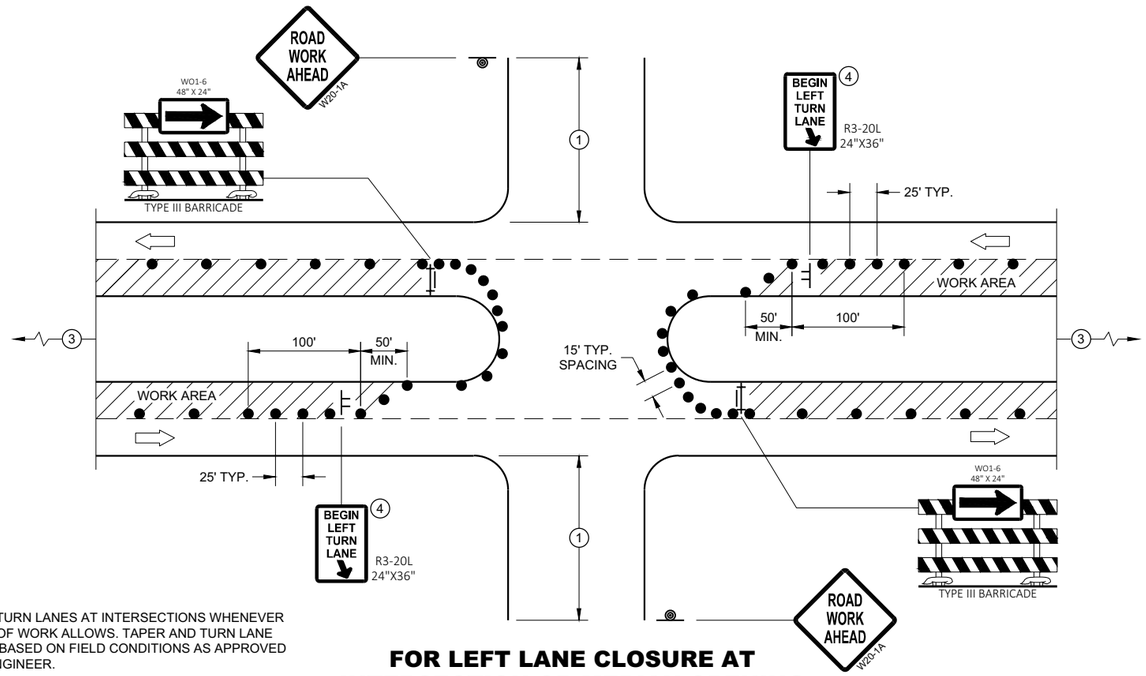
LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

6

SDD 15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

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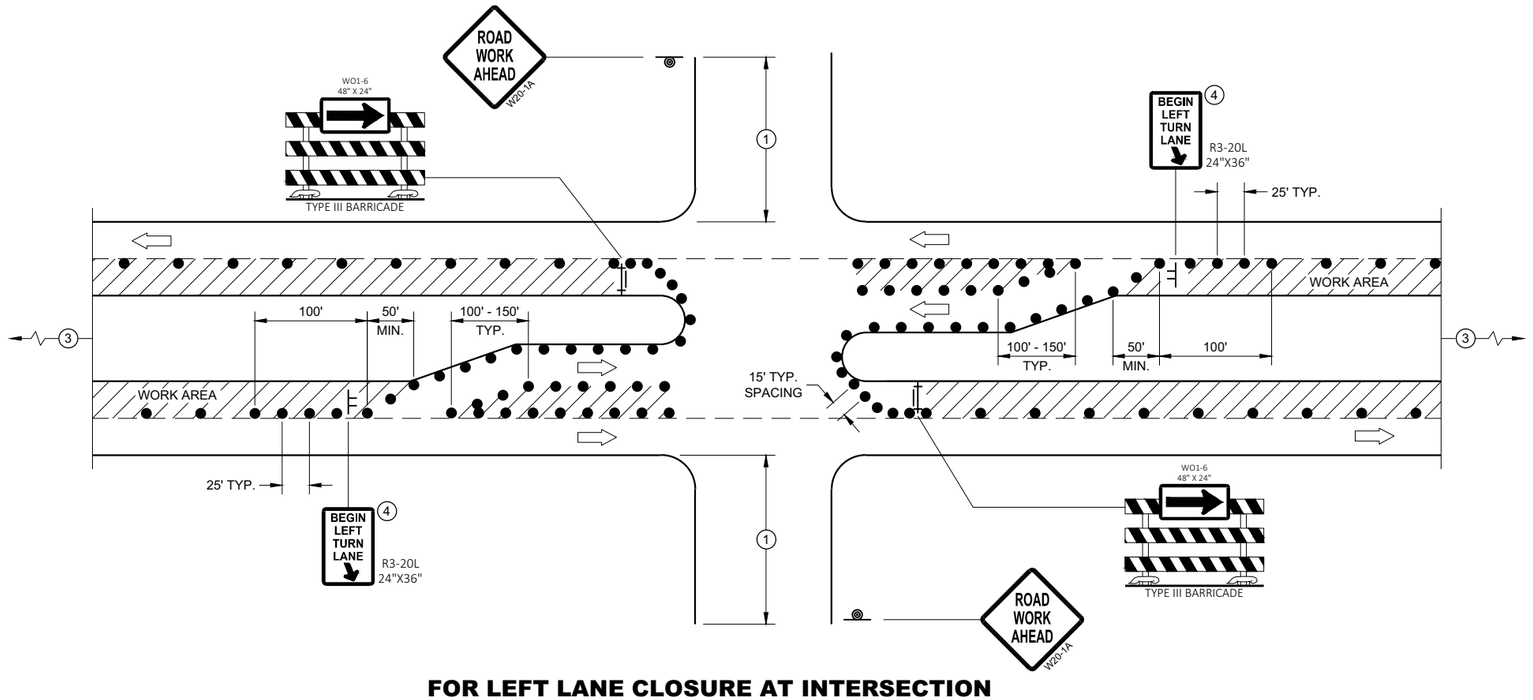
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(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D21 - 07b

6

SDD 15D21 - 07b

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

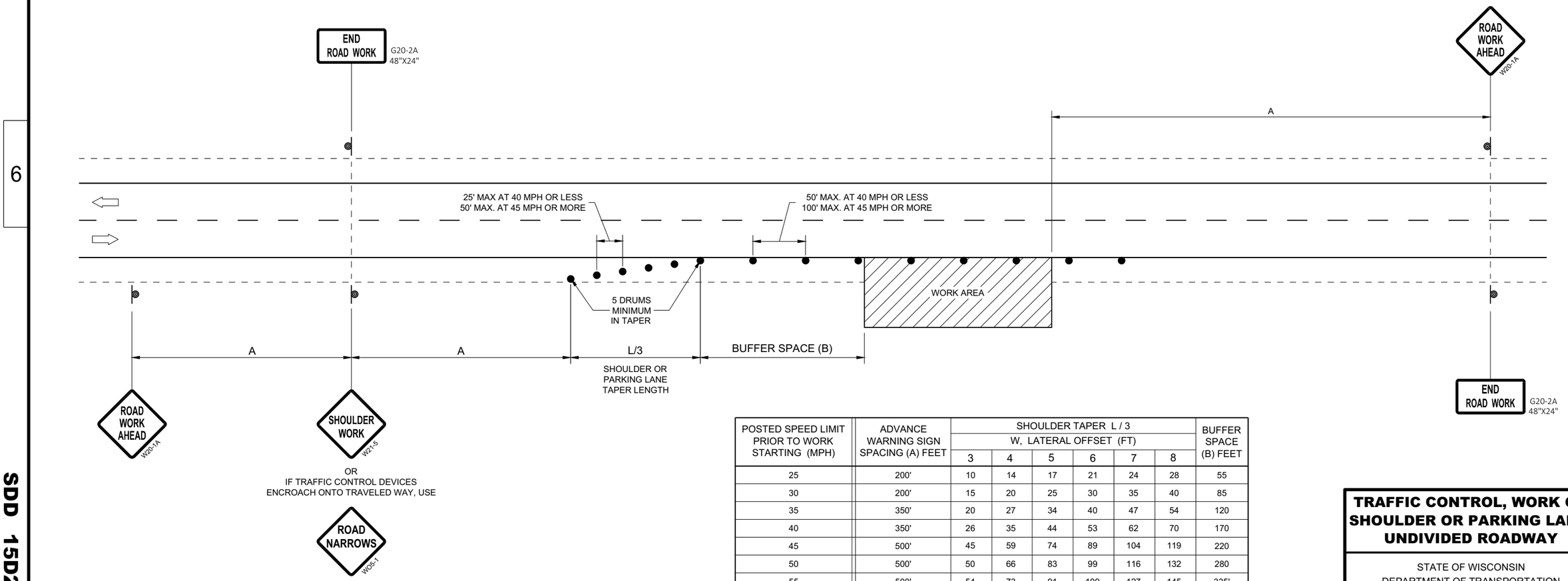
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CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

6

SDD 15D28 - 04

GENERAL NOTES

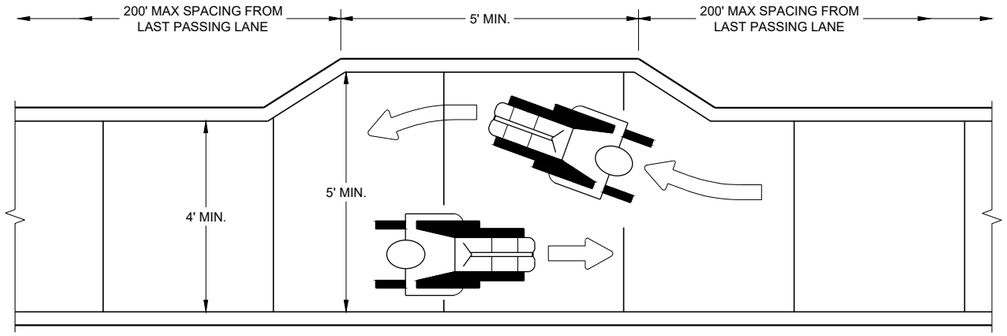
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

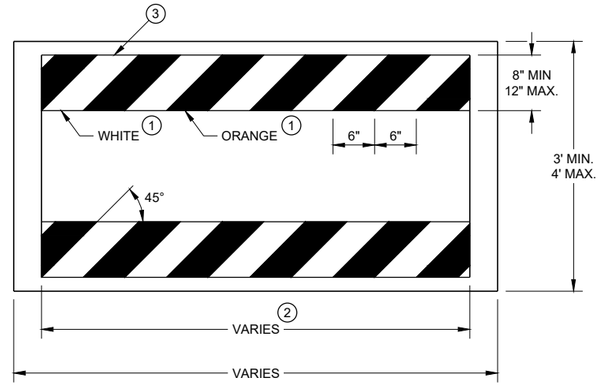
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

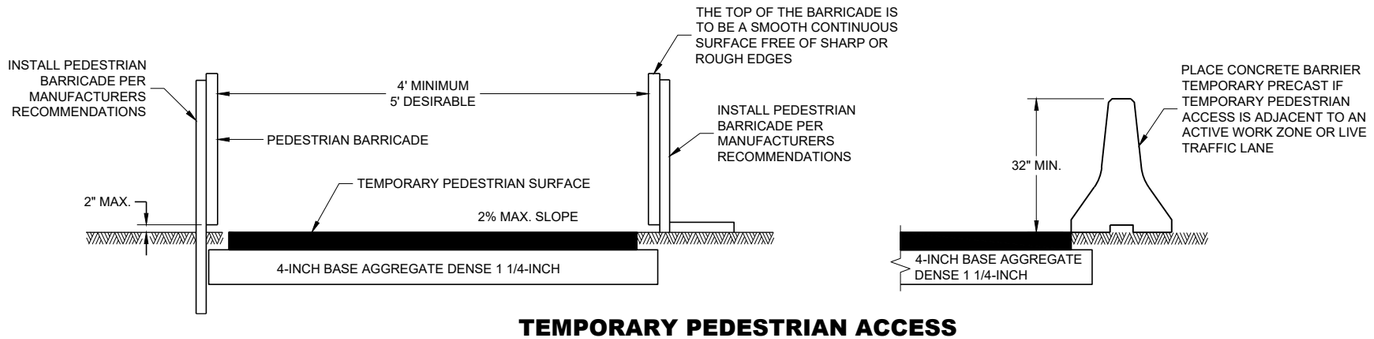
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN BARRICADE*



TEMPORARY PEDESTRIAN ACCESS

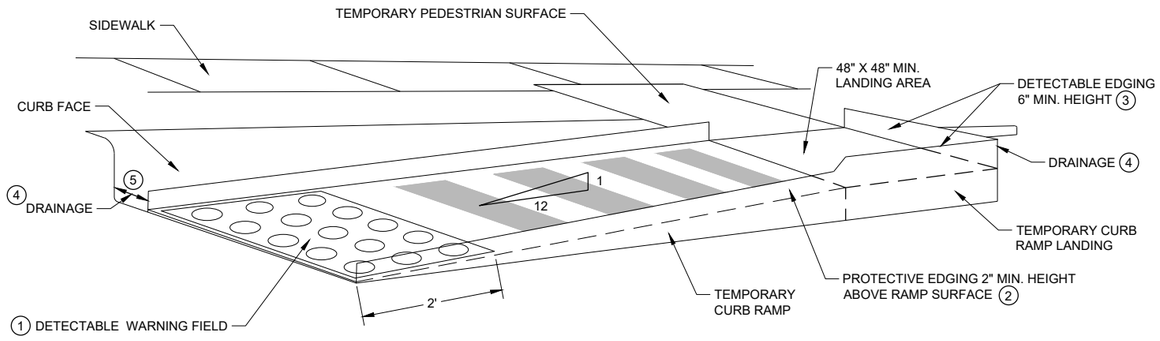
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6

SDD 15D30 - 09a

SDD 15D30 - 09a

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



PERSPECTIVE VIEW

GENERAL NOTES

CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS.

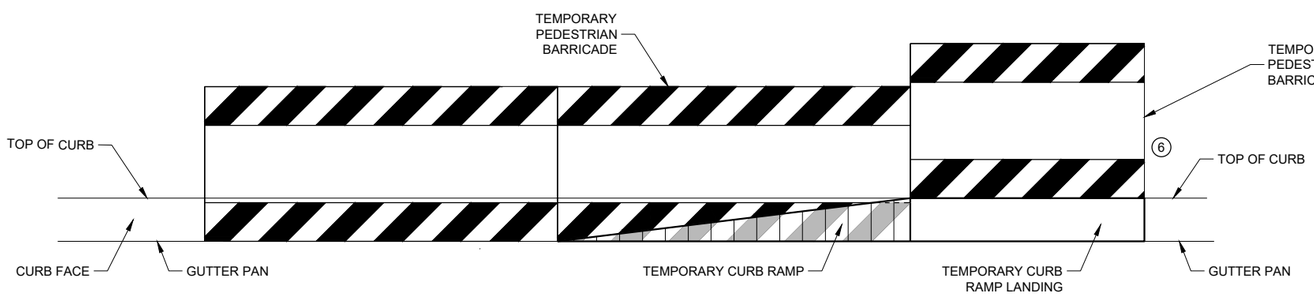
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

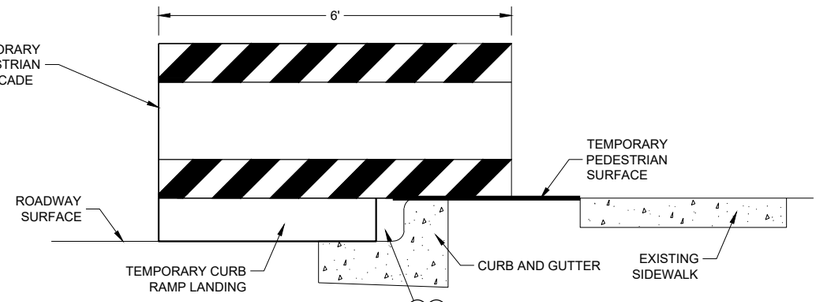
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.

(6) IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.



FRONT VIEW



SIDE VIEW

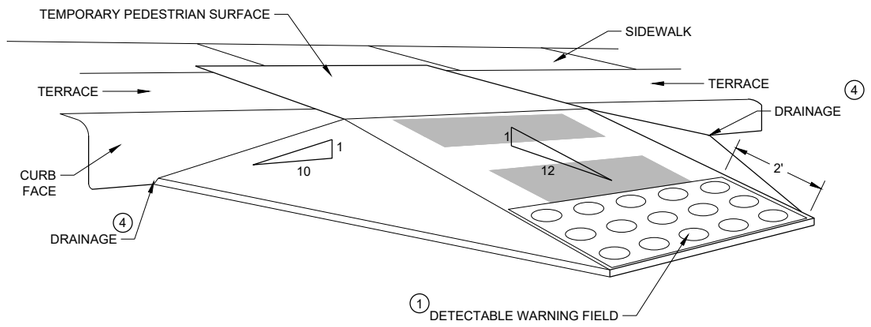
TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

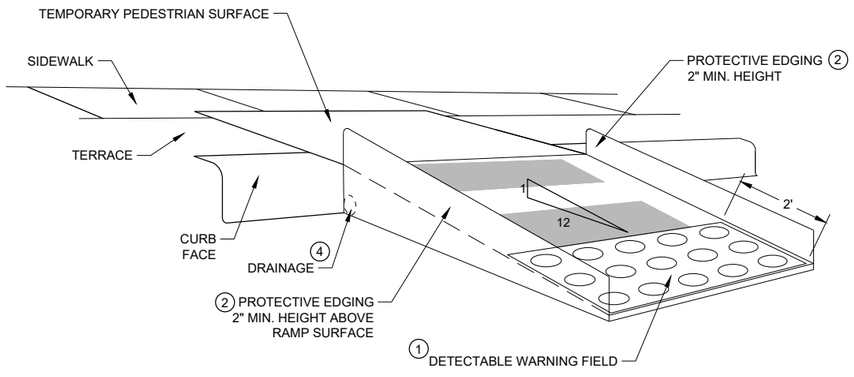
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 09b



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS

(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

GENERAL NOTES

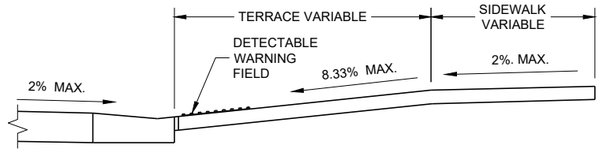
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

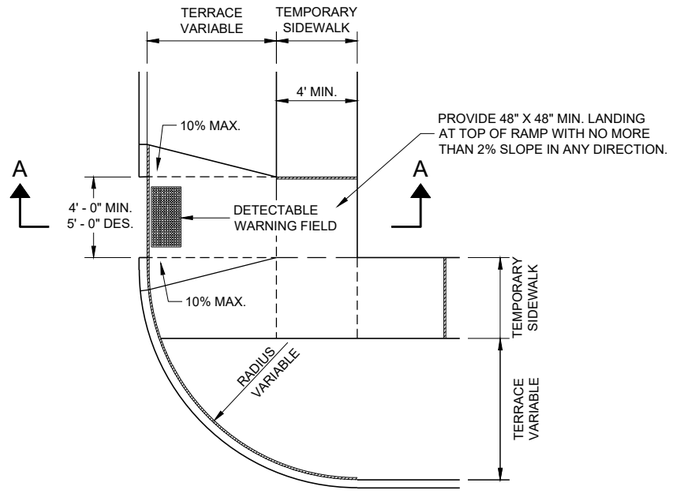
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



SECTION A - A



PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15D30-09d

LEGEND

SIGN ON PERMANENT SUPPORT

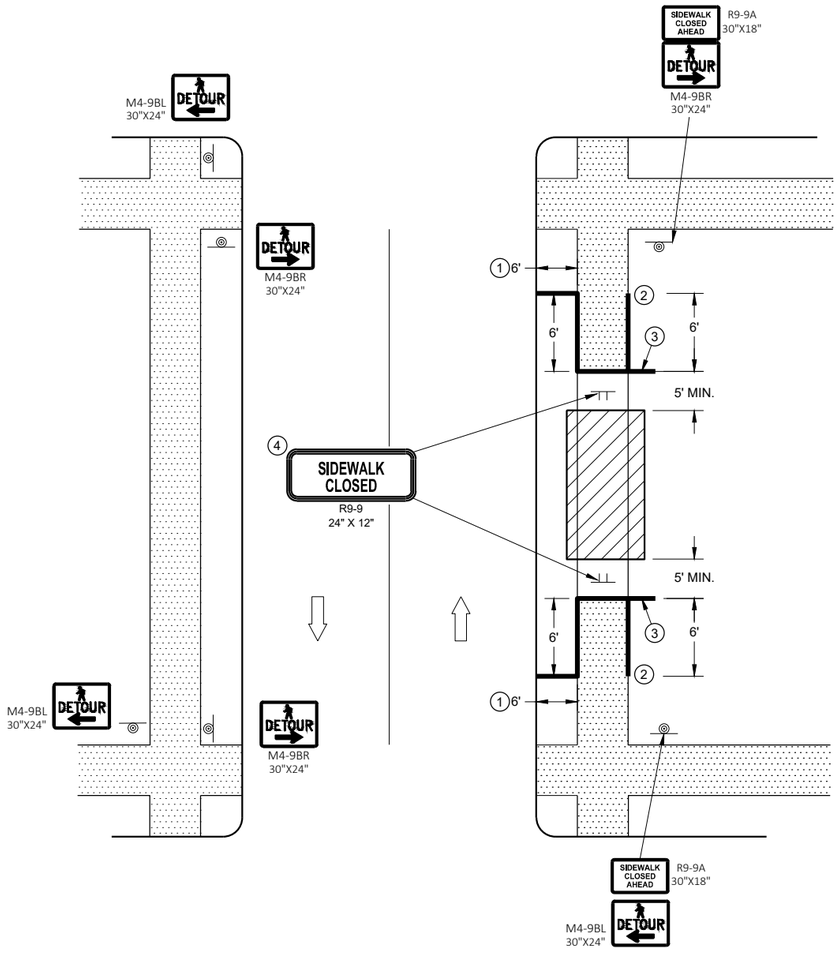
SIGN ON TEMPORARY SUPPORT

UNDER PEDESTRIAN TRAFFIC

WORK AREA

TEMPORARY PEDESTRIAN BARRICADE

DIRECTION OF TRAFFIC



SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

GENERAL NOTES

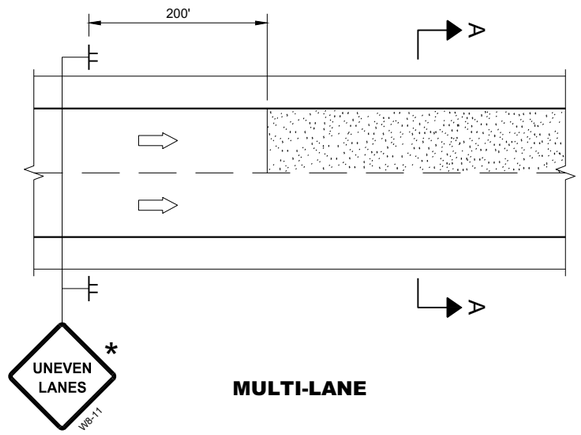
SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

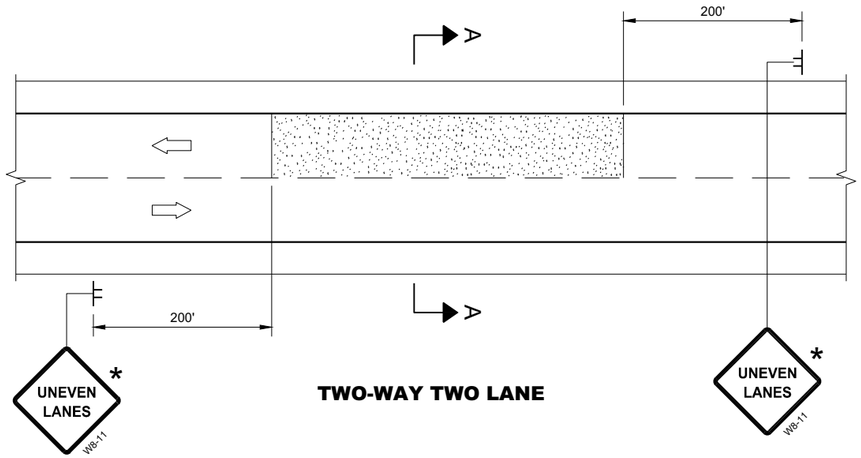
SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

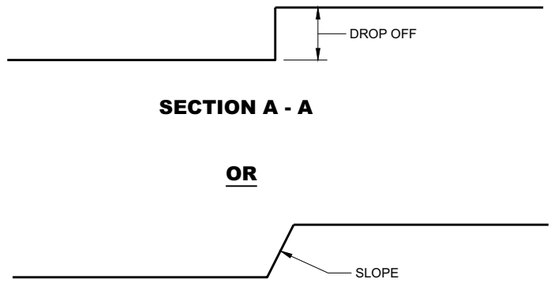
1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.



MULTI-LANE

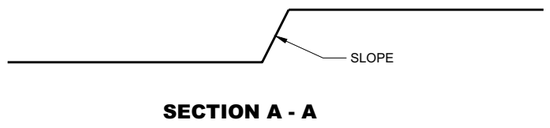


TWO-WAY TWO LANE

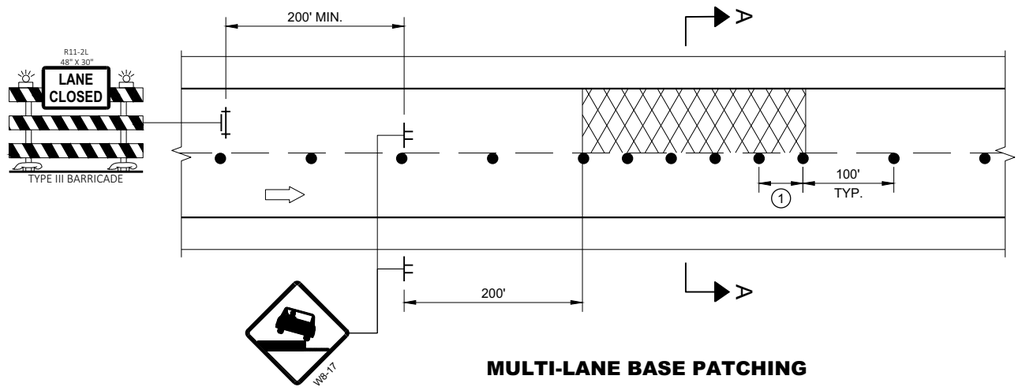


SECTION A - A

OR



SECTION A - A



MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

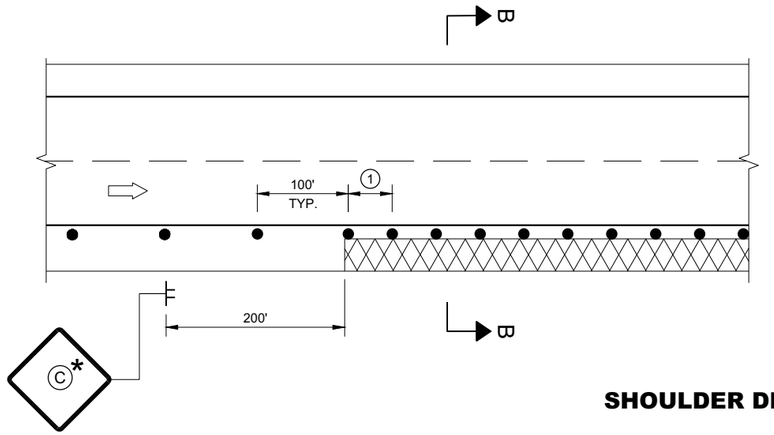
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

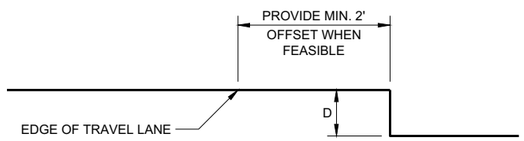
(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15D39 - 02

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					BUFFER SPACE (B) FEET
		10	11	12	13	14	
25	200	52	57	63	68	73	55
30	200	75	83	90	98	105	85
35	350	102	112	123	133	143	120
40	350	133	147	160	173	187	170
45	500	225	248	270	293	315	220

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

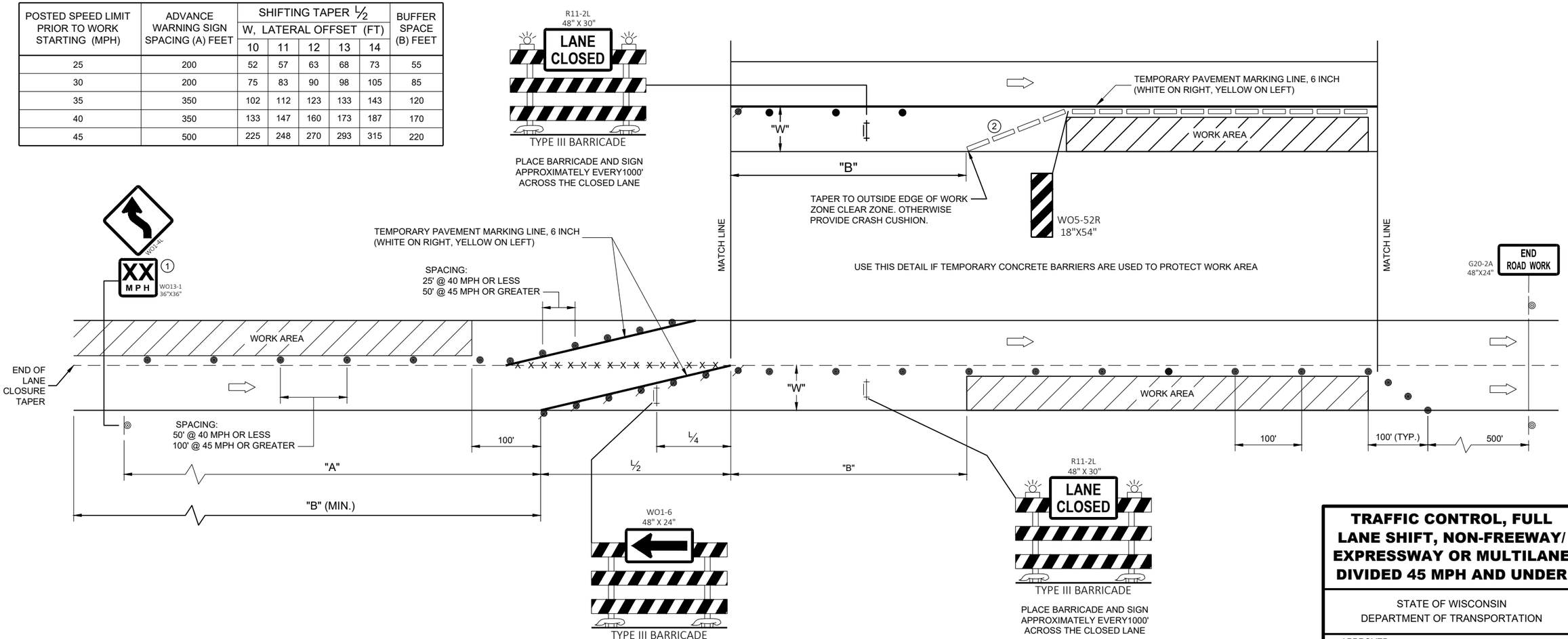
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER
SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL
CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(2) BARRIER FLARE RATE: 6:1 @ 40 MPH OR LESS
8:1 @ 45 MPH OR GREATER



TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15D40-05a

6

SDD 15D40-05a

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

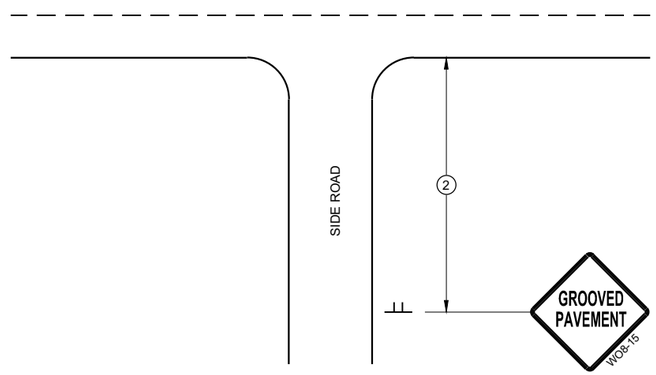
(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

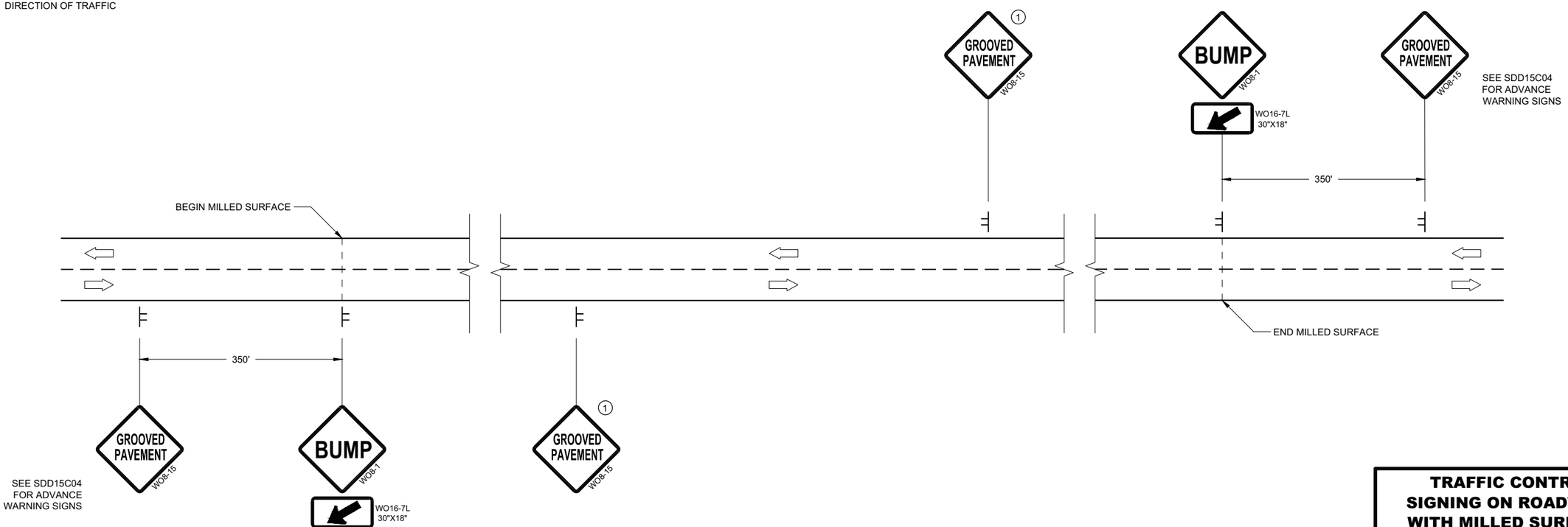
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON MILLED SURFACES

TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15D44 - 02

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

(1) PLACE SIGNS 350' IN ADVANCE OF CHIP SEALED OR LOOSE GRAVEL SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

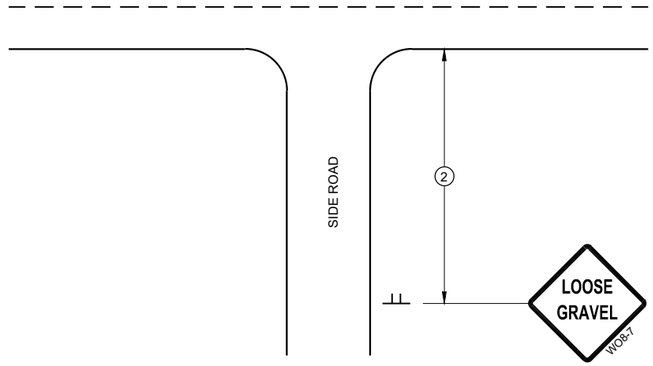
(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

(3) ADD WO8-1 OR WO8-2 SIGN WHEN THE CONDITION IS PRESENT.

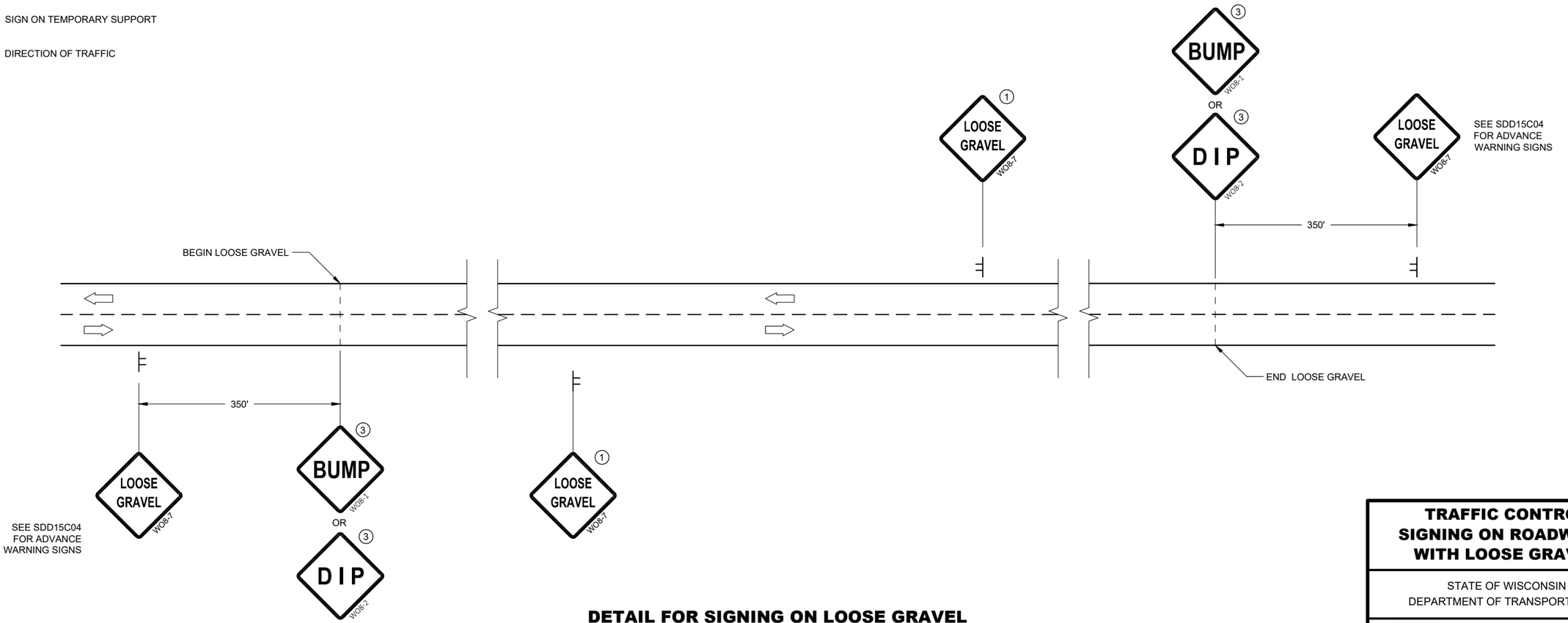
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON LOOSE GRAVEL OR CHIP SEALED SURFACES

TRAFFIC CONTROL SIGNING ON ROADWAYS WITH LOOSE GRAVEL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15D45 - 03

LEGEND

- EXISTING SIGN ON PERMANENT SUPPORT
- NEW SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

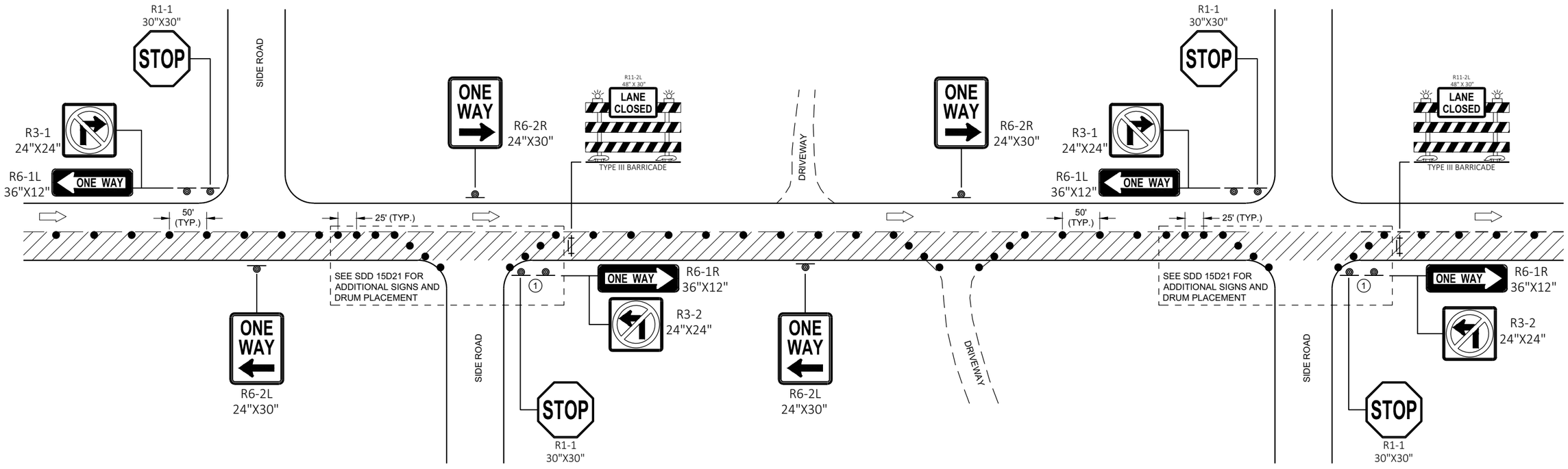
ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) IF WORK OPERATIONS ALLOWS, MOVE R1-1, R6-1R, AND R3-2 CLOSER TO INTERSECTION.



TRAFFIC CONTROL
ONE - WAY SIGNING

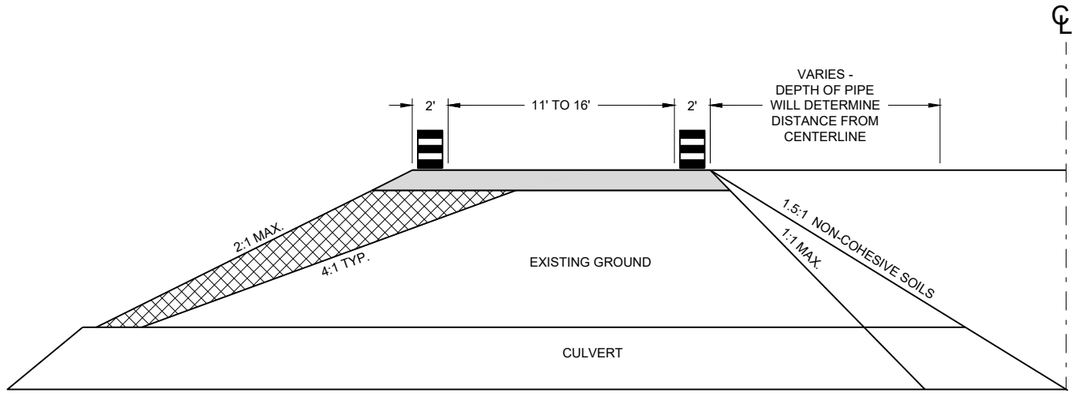
TRAFFIC CONTROL ONE-WAY SIGNING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2020 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEE
FHWA	360

SDD 15D46 - 01

SDD 15D46 - 01

6

6



CROSS SECTION

GENERAL NOTES

USE 1:1 FOR COHESIVE CLAYS AND SILTS, LOAMS, SANDY CLAYS AND ANGULAR GRAVEL SOILS.
USE 1.5:1 FOR NON-COHESIVE SOILS.

THE TAPER SHOULD EXTEND ACROSS THE SHOULDER UNLESS DOING SO WOULD GREATLY CONFLICT WITH THE WORK OPERATION.

ALL LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL DEVICES REMOVED BEYOND THE SHOULDER WHEN WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION.

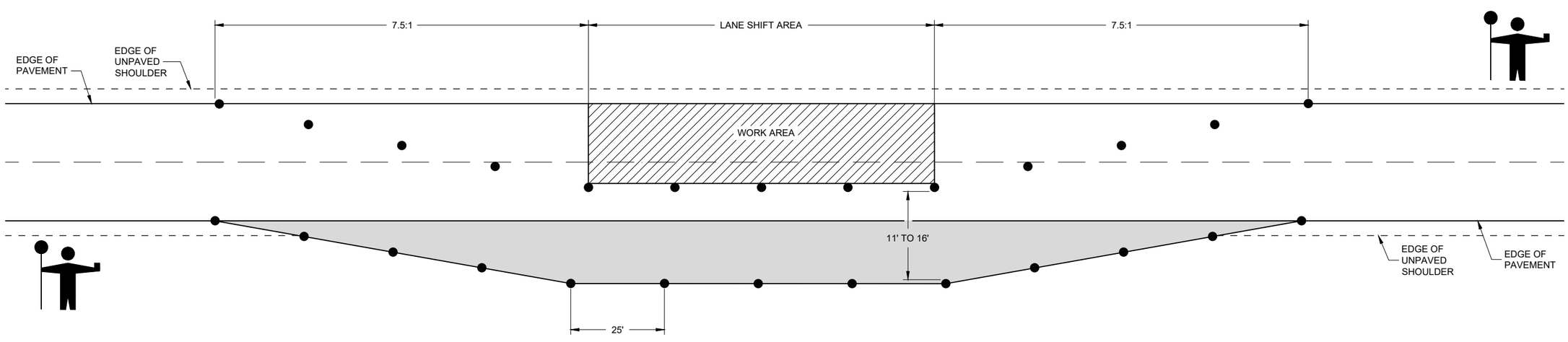
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

USE WITH SDD 15C12 "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS"

USE WITH SDD 15D45 "SIGNING ON ROADWAYS WITH LOOSE GRAVEL"

LEGEND

- DRUM WITHOUT WARNING LIGHT
- 6" BASE AGGREGATE DENSE 1 ¼" -INCIDENTAL TO LANE SHIFT ITEM
- FILL - INCIDENTAL TO LANE SHIFT ITEM
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



LANE SHIFT IN FLAGGING OPERATION

TRAFFIC CONTROL, TEMPORARY LANE SHIFT DURING CULVERT WORK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15D48 - 01

6

SDD 15D48 - 01

LEGEND

V1 WORK VEHICLE

V2 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

FLASHING ARROW PANEL (CAUTION)

WORK AREA

DIRECTION OF TRAFFIC

POSTED SPEED PRIOR TO WORK STARTING (MPH)	DECISION SIGHT DISTANCE (D)
0 - 25	550'
30	550'
35	700'
40	700'
45	900'
50	900'
55	1200'

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

MOBILE IS WORK THAT MOVES CONTINUOUSLY OR MOVES AT LEAST THE DECISION SIGHT DISTANCE EVERY 15 MINUTES.

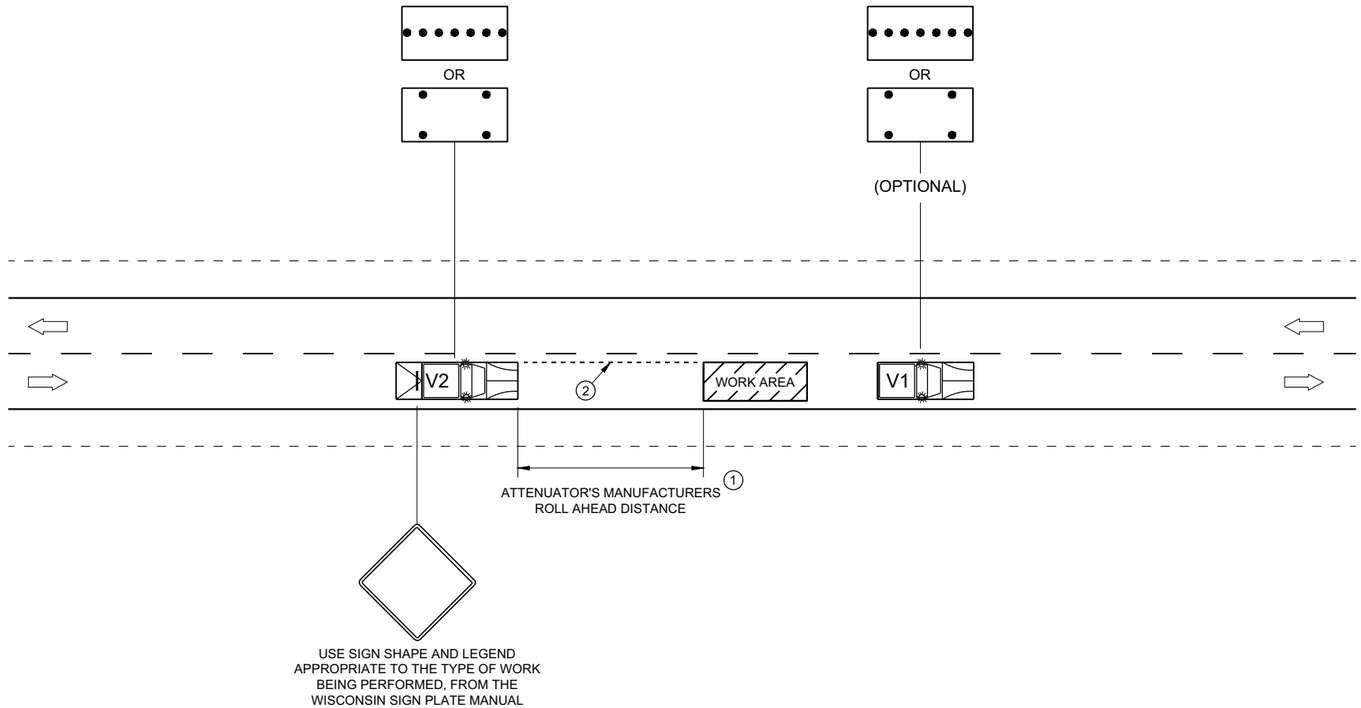
ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL ARROW PANELS SHALL BE REAR FACING, TYPE "B" OR "C", AND DISPLAYING THE FLASHING CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

(1) DISTANCE BETWEEN VEHICLES MAY INCREASE FROM THE ATTENUATOR'S ROLL AHEAD BASED ON TERRAIN, SIGHT DISTANCE, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

(2) ALIGN LEFT SIDE OF SHADOW VEHICLE WITH EDGE OF WORK AREA.



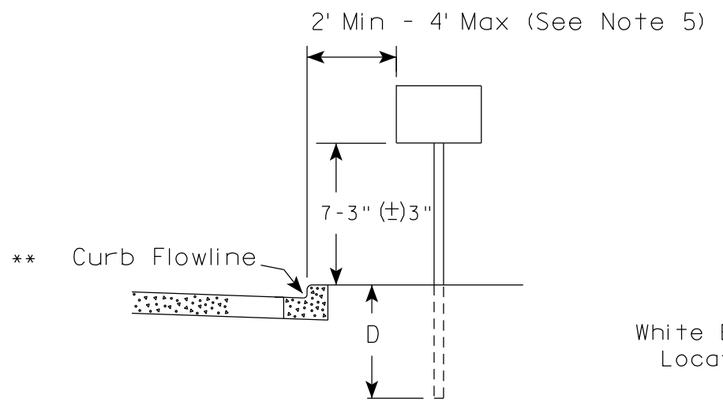
TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

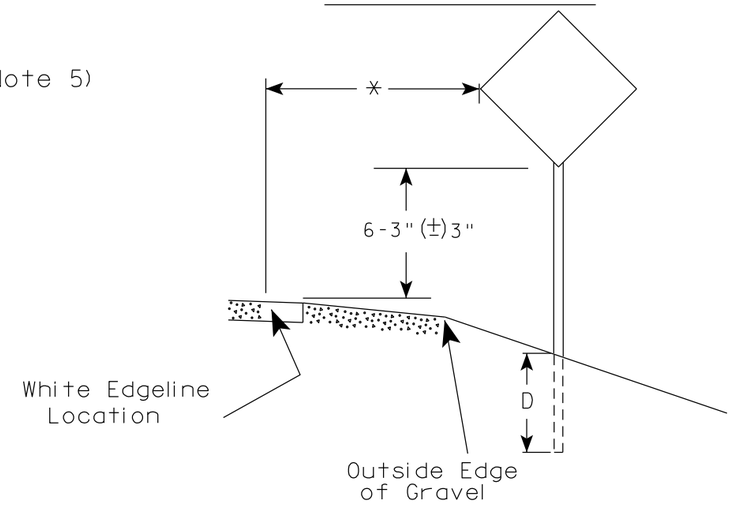
APPROVED
February 2021 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER
FHWA

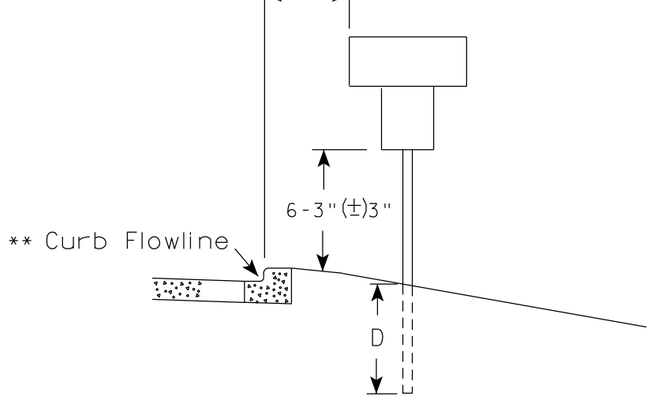
6
SDD 15D51 - 01

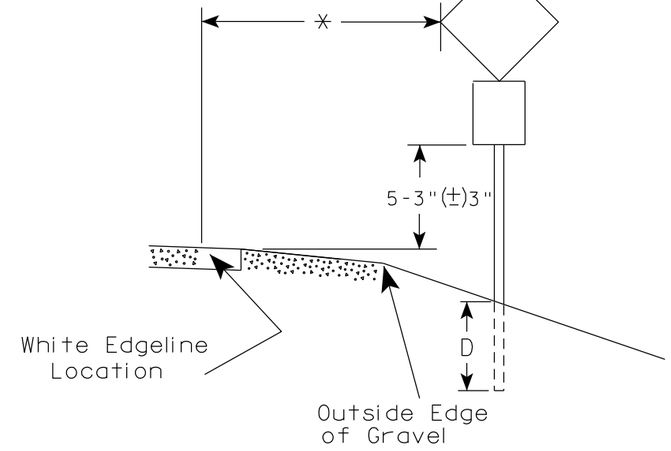
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±) 3".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directd by the Engineer.

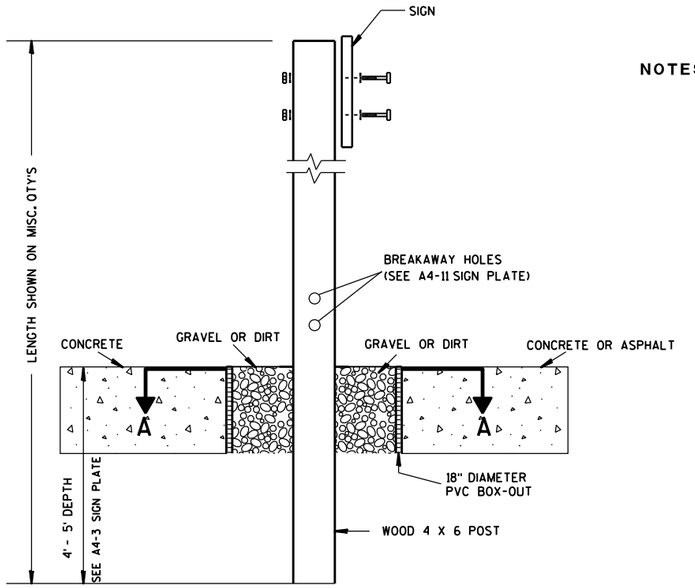
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

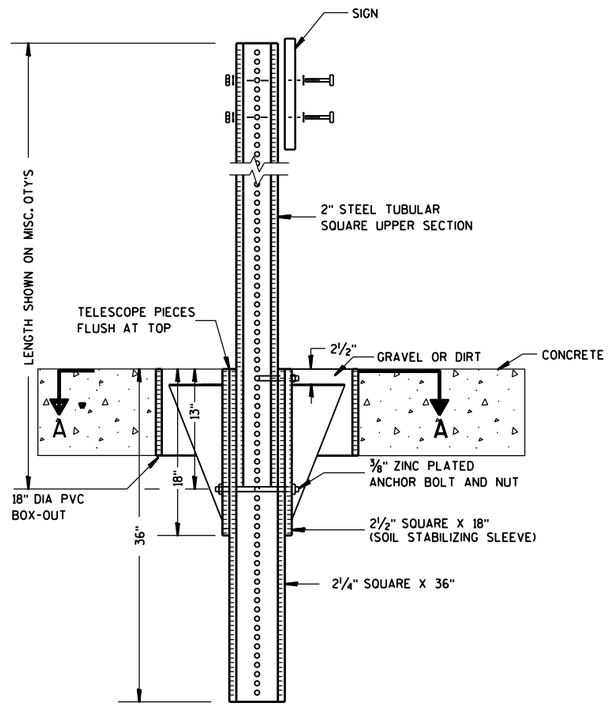
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 363	E



ELEVATION VIEW

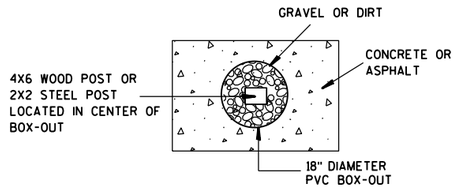
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

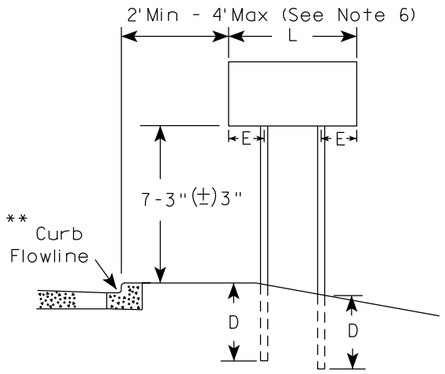
APPROVED Matthew R Rauch
for State Traffic Engineer

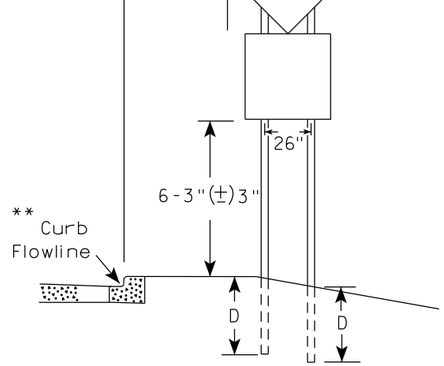
DATE 1/27/14 PLATE NO. A4-3B.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

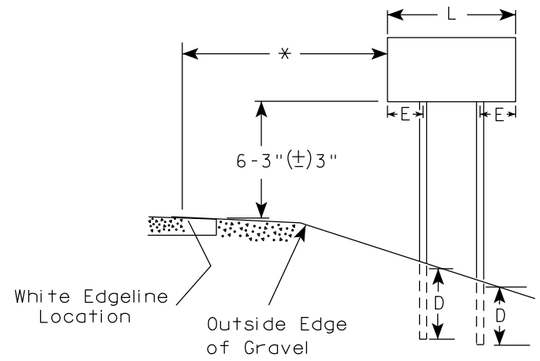
URBAN AREA

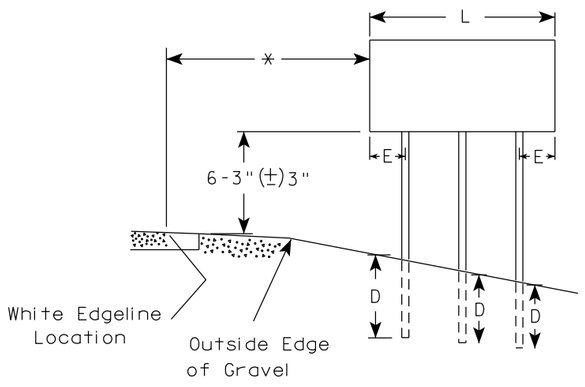


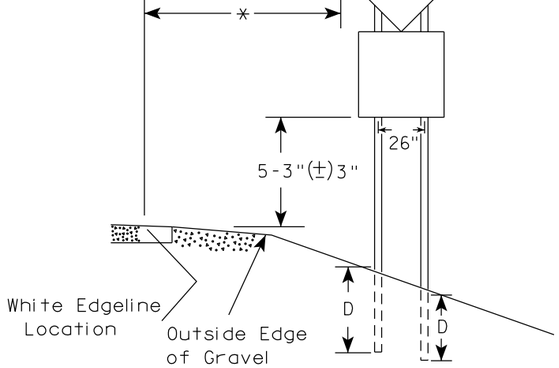


48" DIAMOND WARNING SIGN

RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±) 3".

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

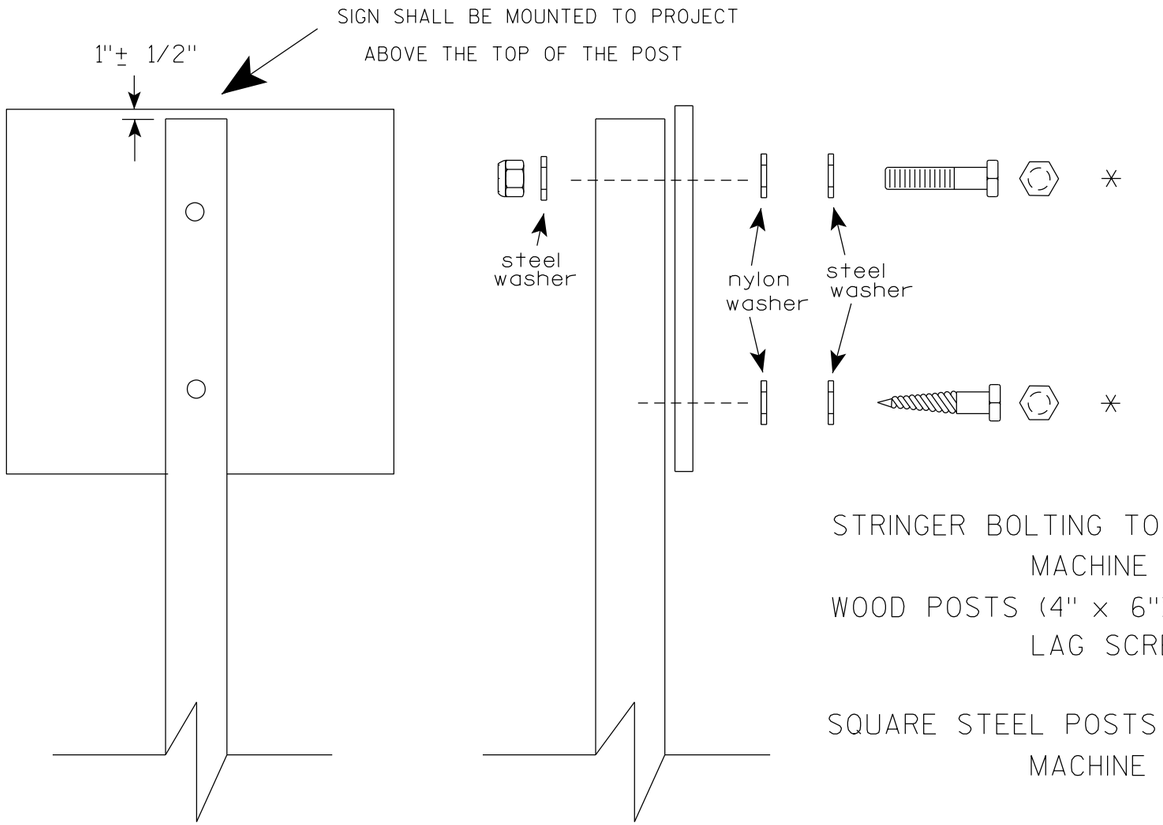
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 365	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

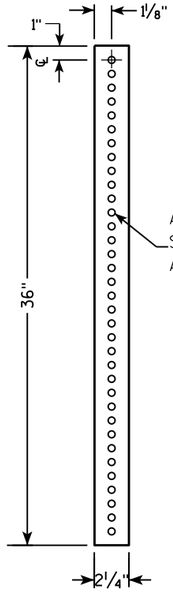
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

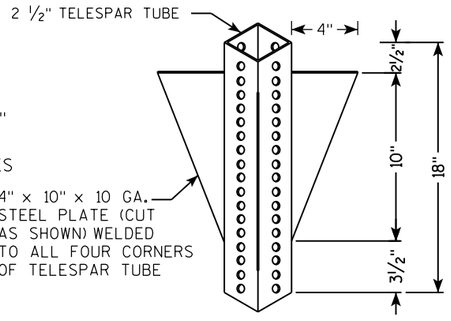
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

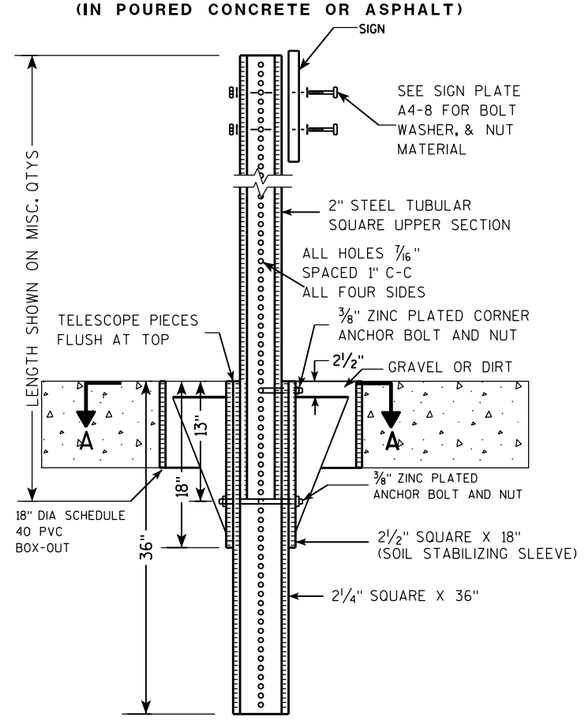
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



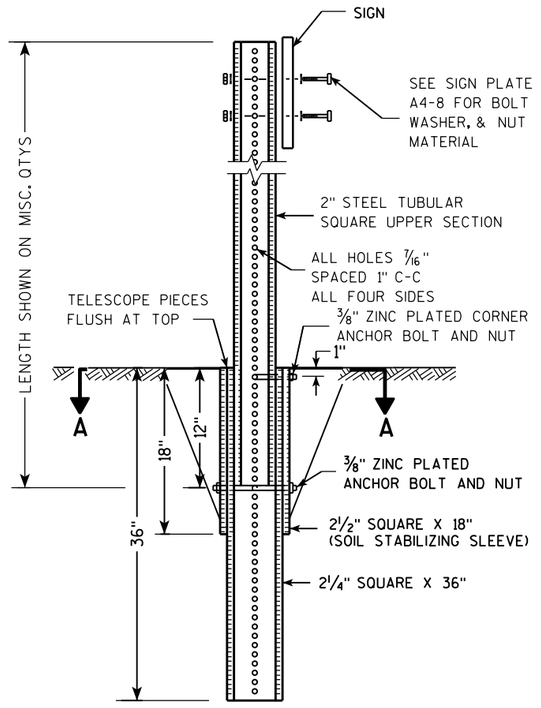
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

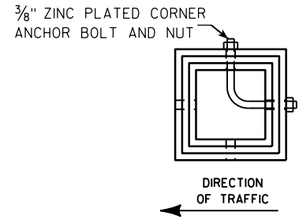


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

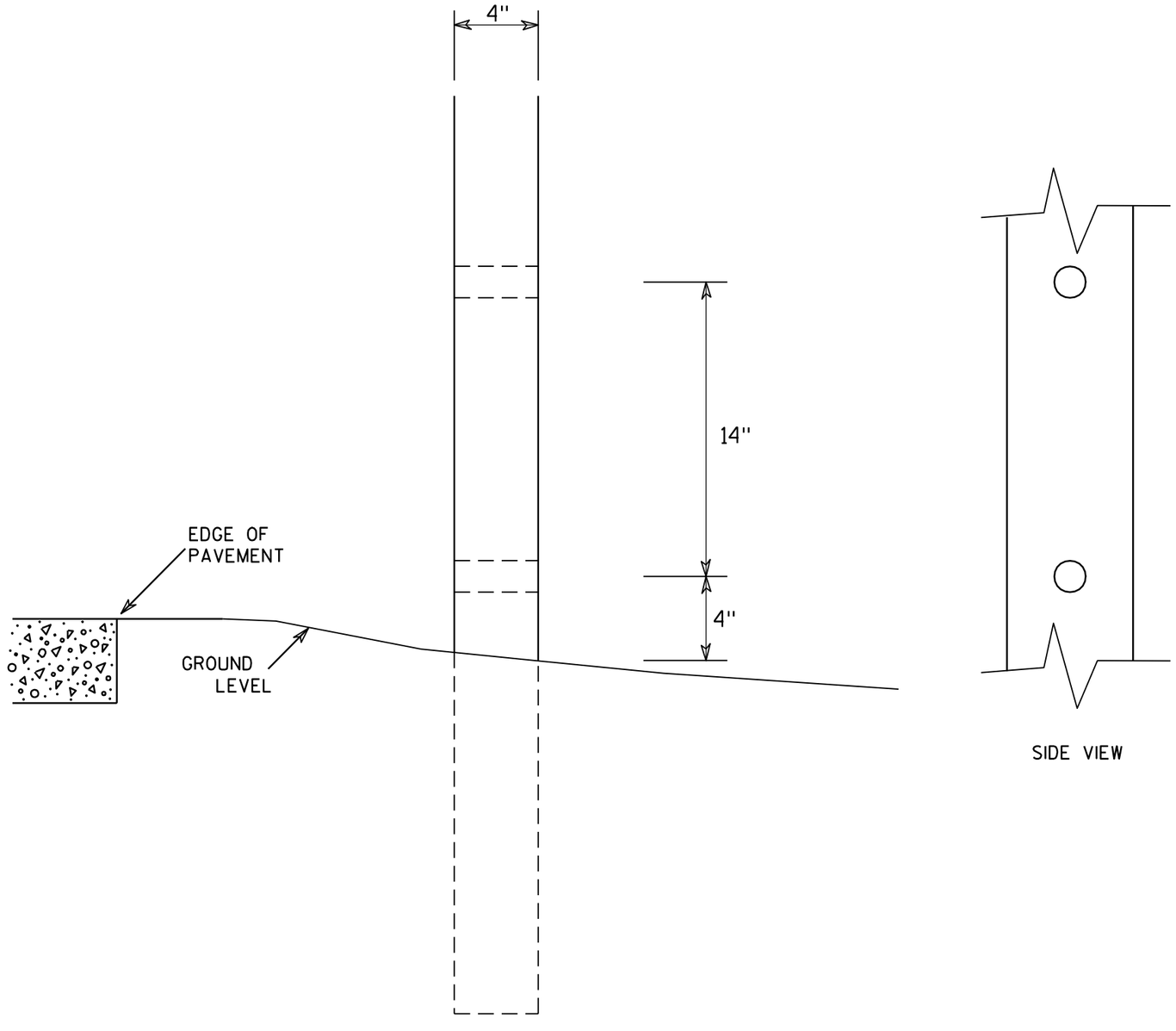
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

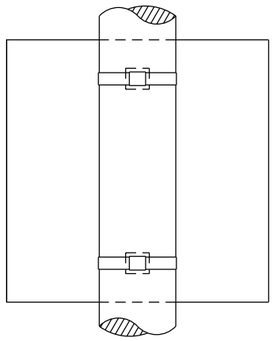
APPROVED Chester J Spang for State Traffic Engineer

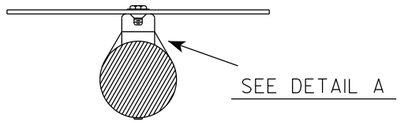
DATE 3/27/97 PLATE NO. A4-11.2

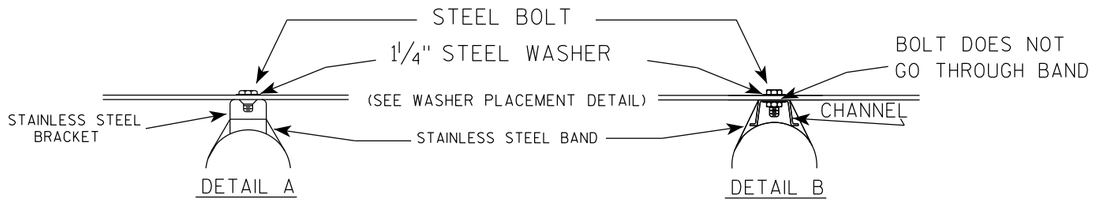
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 368	E

BANDING

SINGLE SIGN



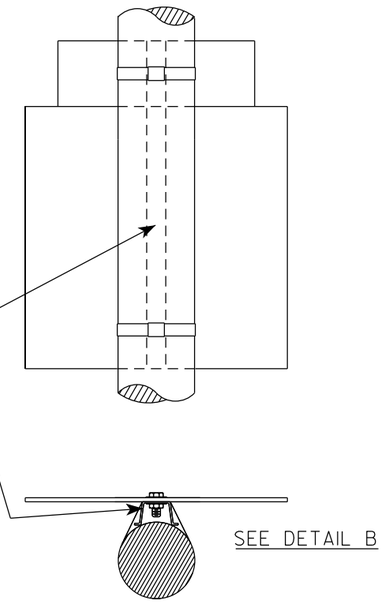




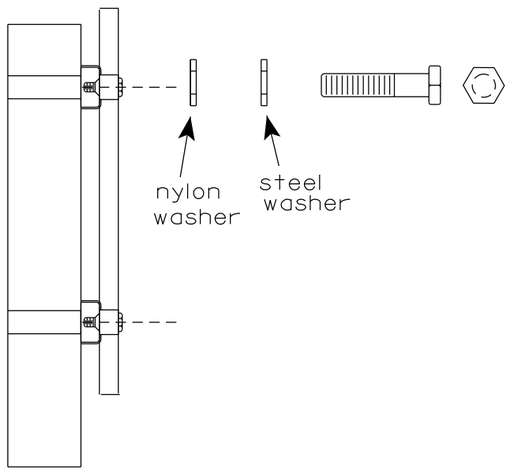
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

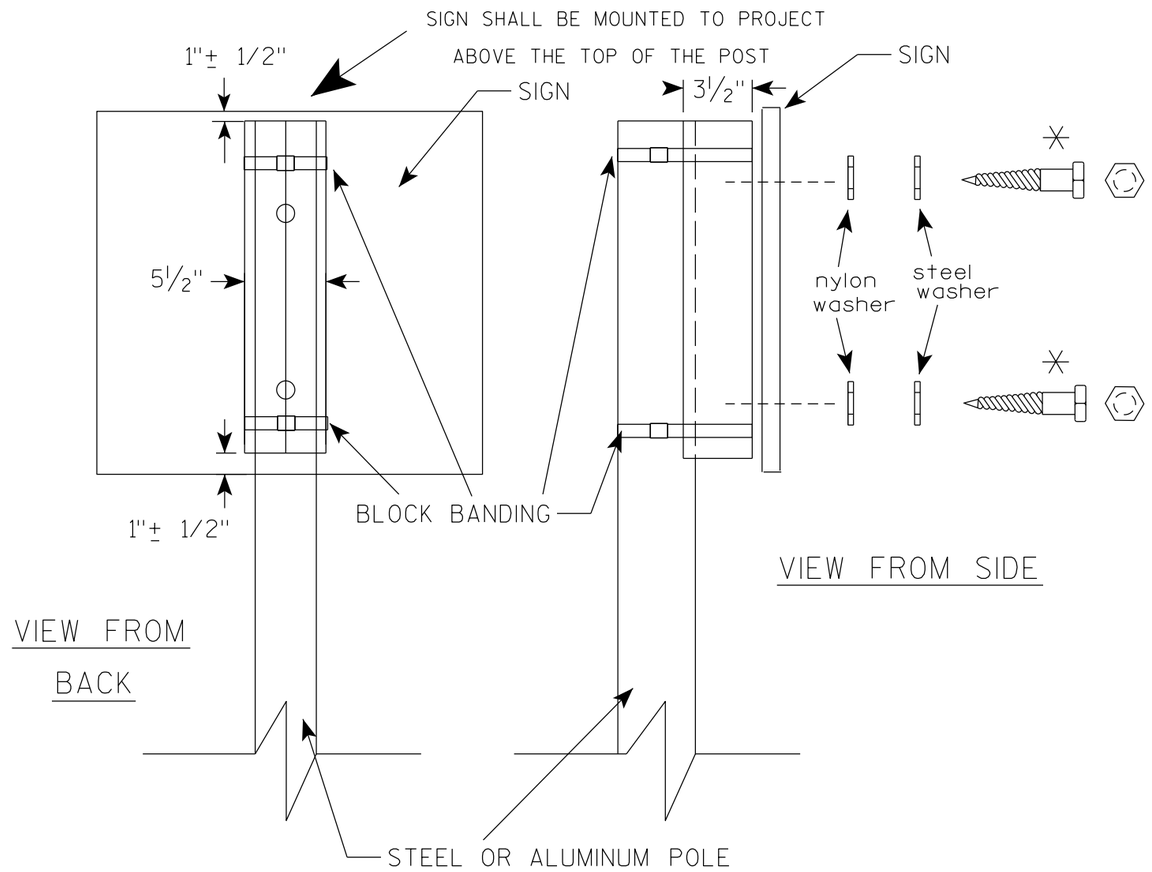
DATE 6/10/19 PLATE NO. A5-9.4

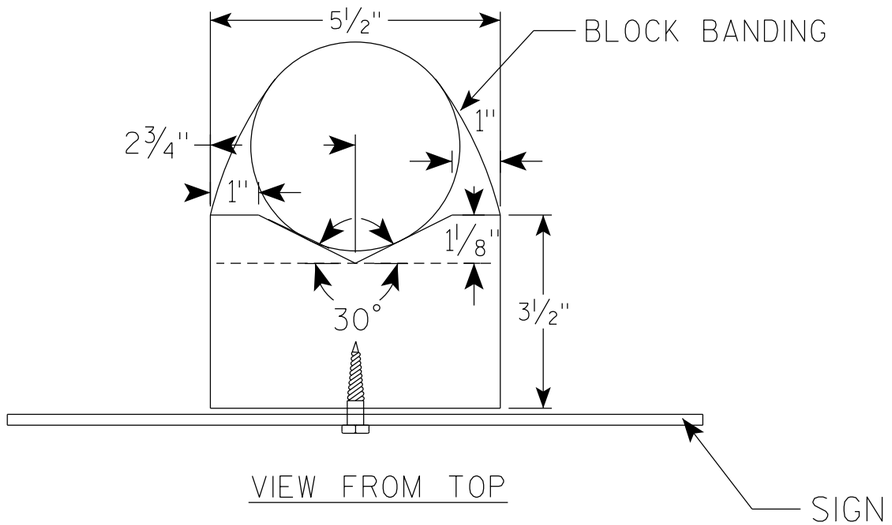
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 369	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

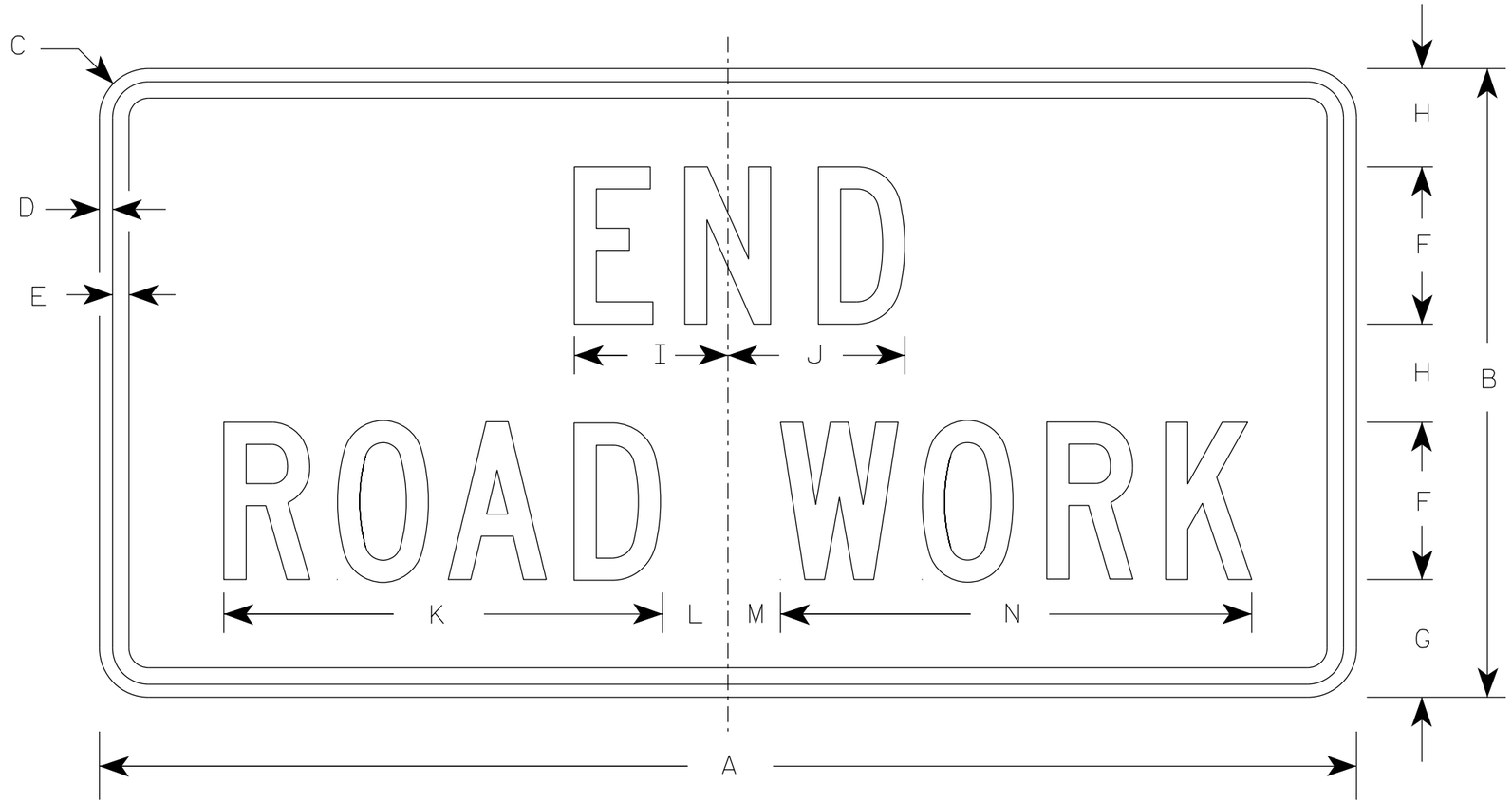
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 370 E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5
2	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
2M	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
3	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
4	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
5	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0

STANDARD SIGN

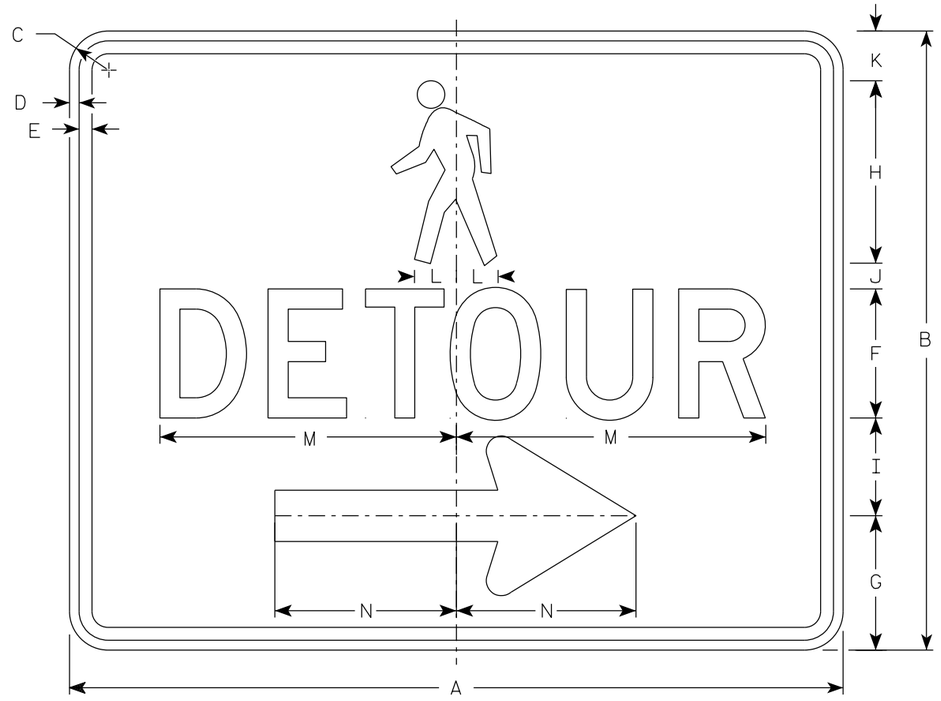
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. G20-2A.10

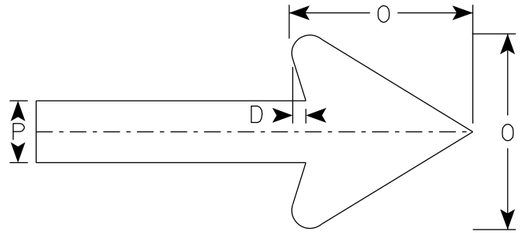
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 371 E



M4-9BR

NOTES

1. Sign is Type II-Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9BL is the same as M4-9BR except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.0
2M	30	24	1 1/2	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.0
3																											
4																											
5																											

STANDARD SIGN
M4-9B L&R

WISCONSIN DEPT OF TRANSPORTATION

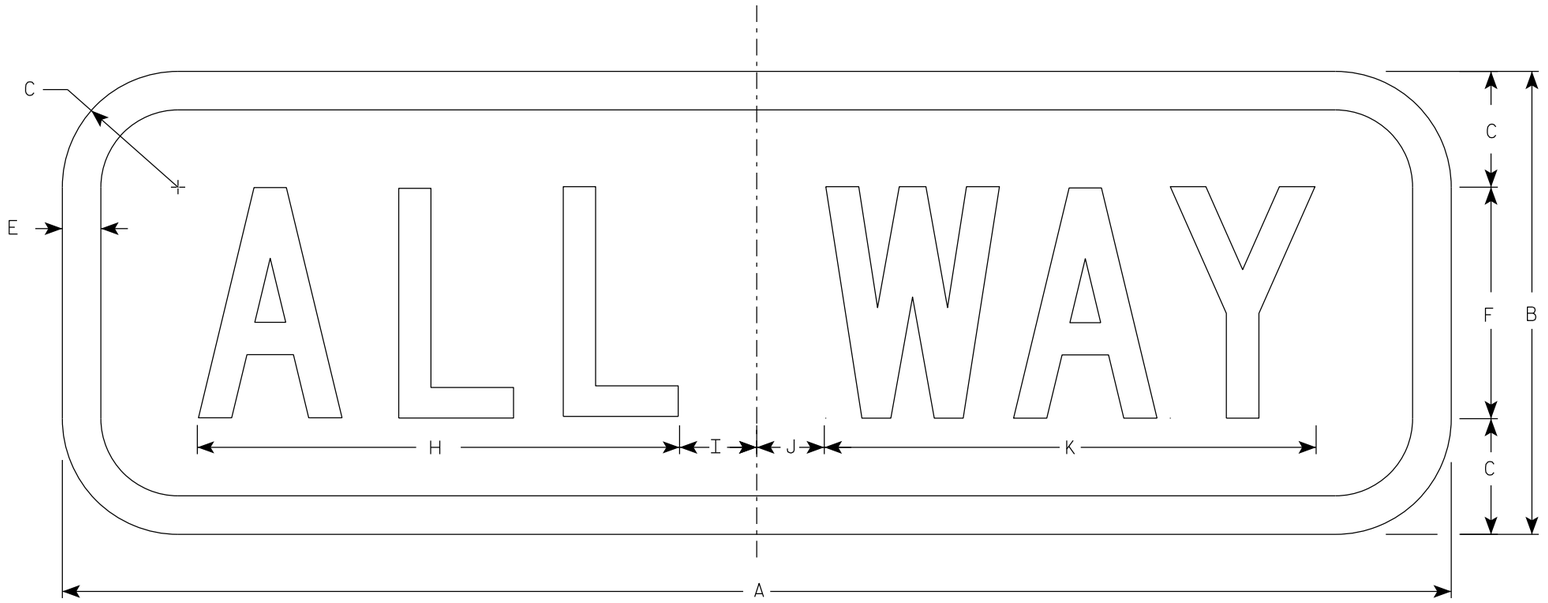
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9B.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 372 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. For 30"x30" R1-1 use 18"x6" R1-3P sign
   For 36"x36" R1-1 use 24"x9" R1-3P sign
   For 48"x48" R1-1 use 30"x12" R1-3P sign



R1-3P

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	6	1 1/2		1/2	3		6 1/4	1 1/4	7/8	6 3/8																0.75
2S	18	6	1 1/2		1/2	3		6 1/4	1 1/4	7/8	6 3/8																0.75
2M	24	9	1 1/2		1/2	5		9 1/4	1 1/4	3/4	9 3/4																1.5
3	24	9	1 1/2		1/2	5		9 1/4	1 1/4	3/4	9 3/4																1.5
4	30	12	1 1/2		5/8	6		11	2 1/4	1 1/2	11 3/4																2.5
5	30	12	1 1/2		5/8	6		11	2 1/4	1 1/2	11 3/4																2.5

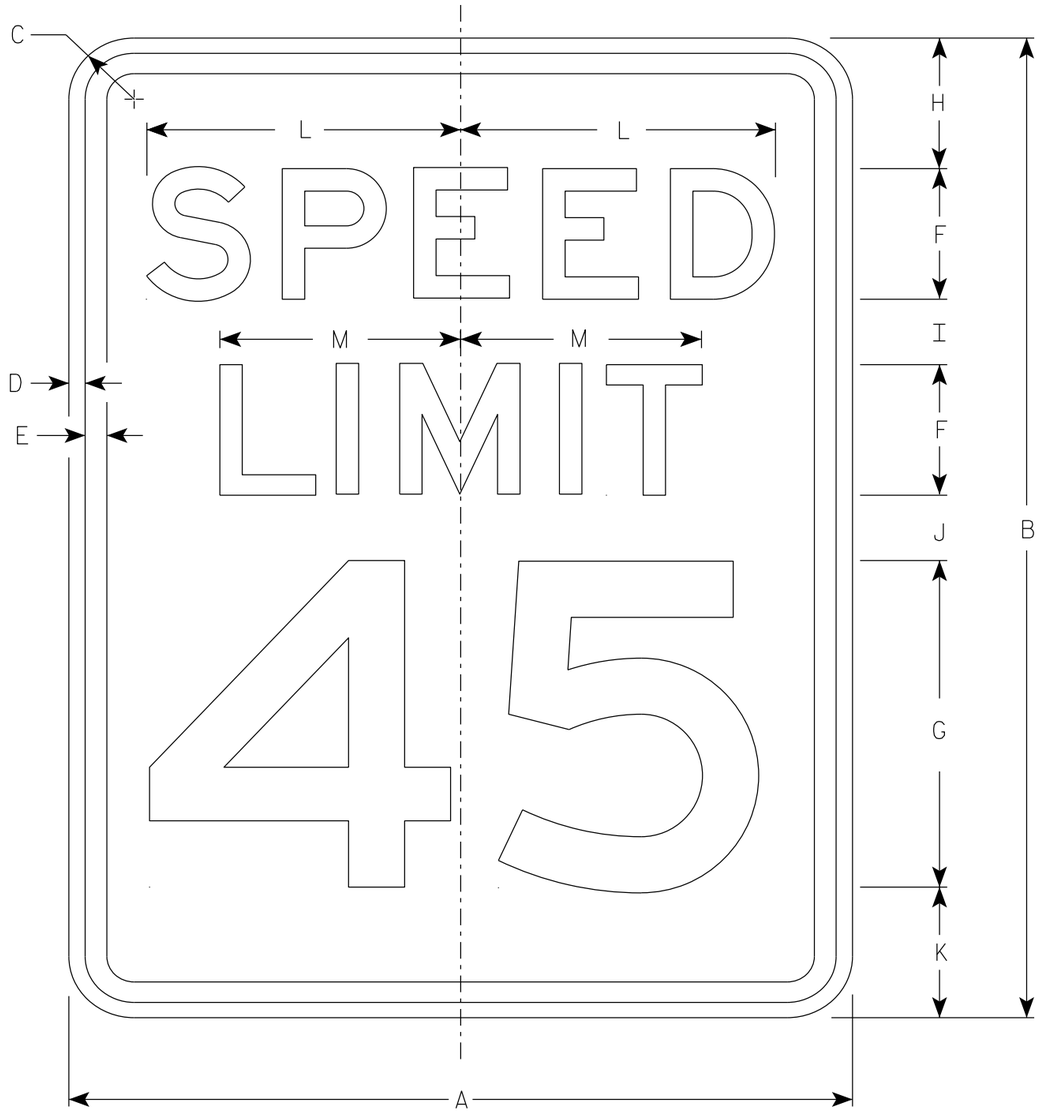
STANDARD SIGN
R1-3P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/19/23 PLATE NO. R1-3P.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 373 E



R2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/2	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/2	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 7/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	3	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

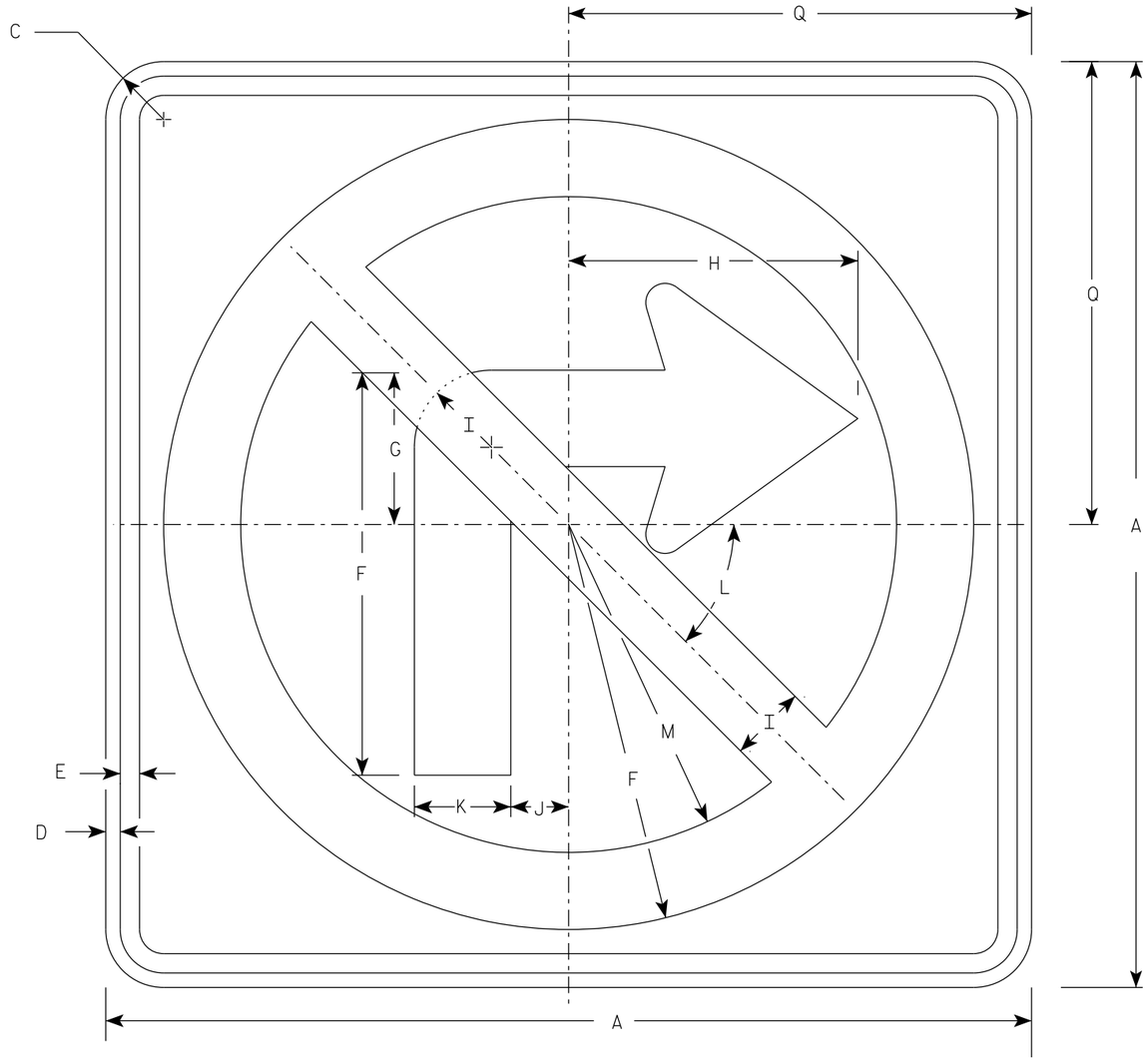
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-1.14

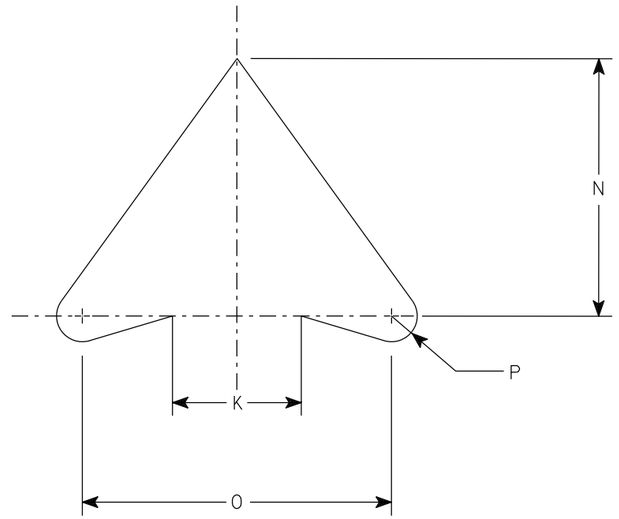
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 374 | E



R3-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45	8 ½	5	6	½	12										4.0
2S	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45°	8 ½	5	6	½	12										4.0
2M	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45	12 ¾	7 ½	9	¾	18										9.0
3	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45	12 ¾	7 ½	9	¾	18										9.0
4	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾	18										9.0
5	48		2 ¼	¾	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

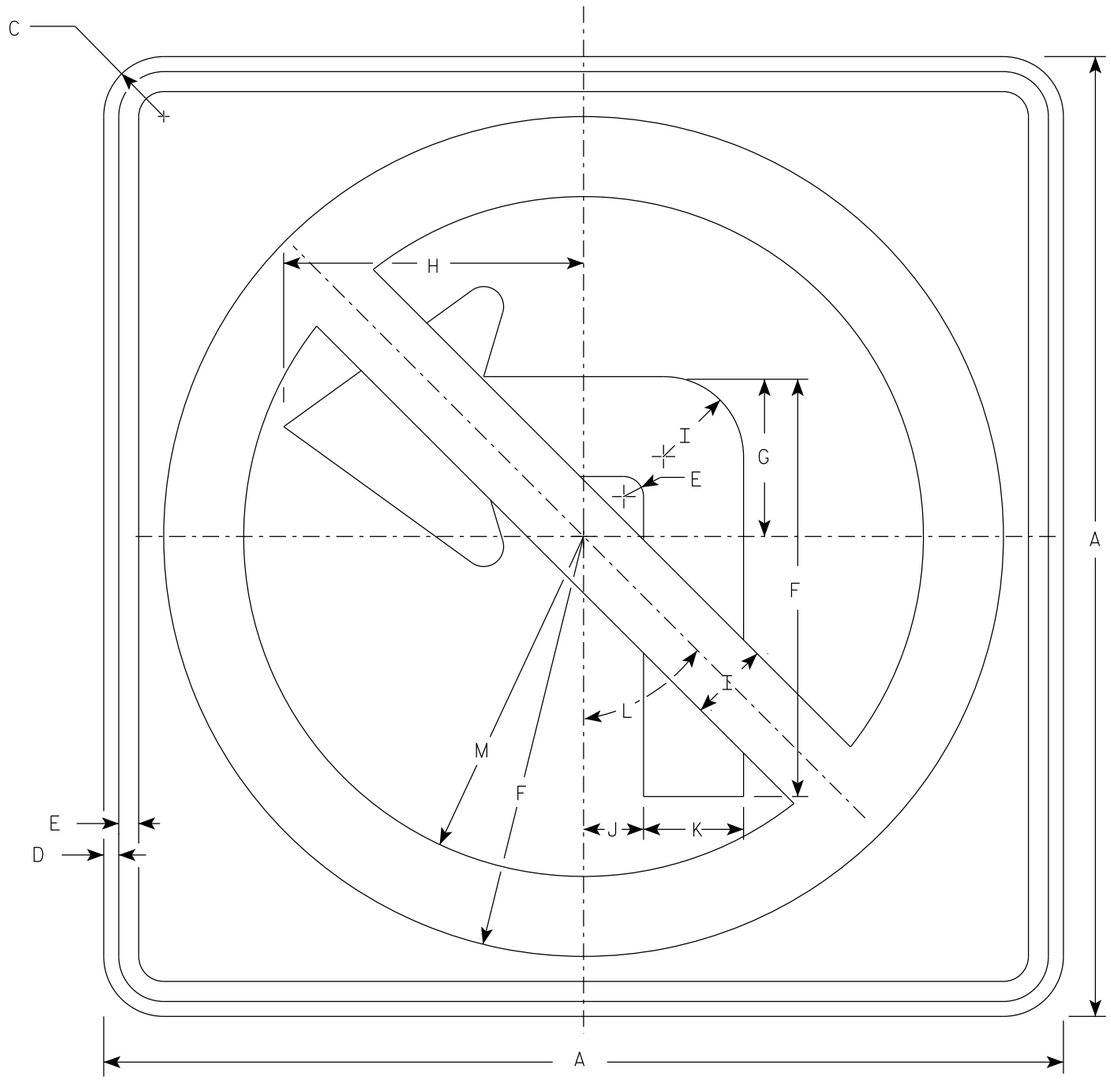
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-1.6

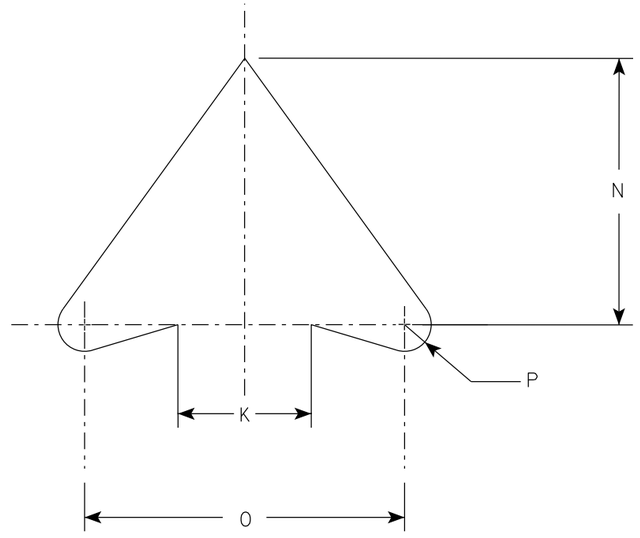
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 375 | E



R3-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45°	8 ½	5	6	½											4.0
2S	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45°	8 ½	5	6	½											4.0
2M	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾											9.0
3	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾											9.0
4	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾											9.0
5	48		2 ¼	¾	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

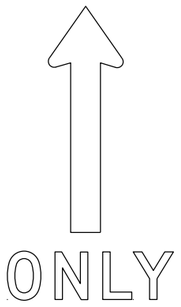
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-2.11

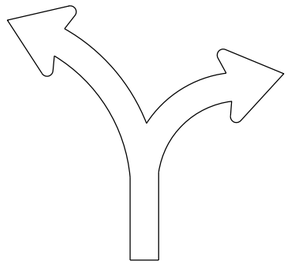
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 376 | E

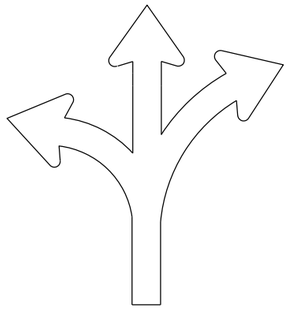


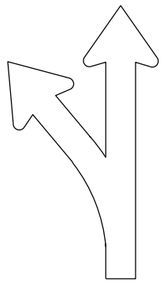
(A)

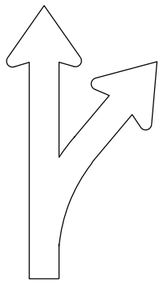


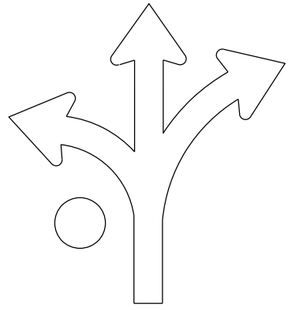
(B)

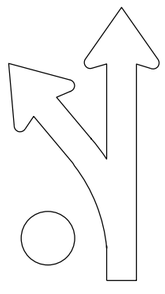

(C)

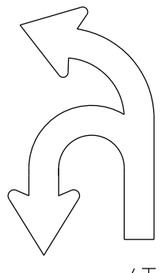

(D)

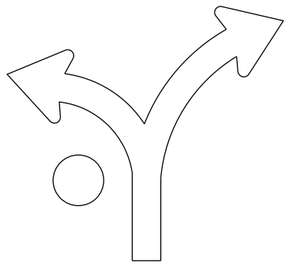

(E)

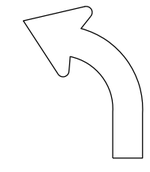

(F)


(G)

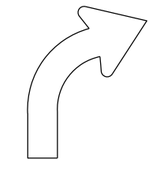

(H)


(I)


(J)



(L)



(R)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1	Letter =	3.75 sq ft for Size 2
		6.0 sq ft for Size 3
		10.0 sq ft for Size 4 or 5
2	Letters =	7.5 sq ft for Size 2
		12.0 sq ft for Size 3
		20.0 sq ft for Size 4 or 5
3	Letters =	11.25 sq ft for Size 2
		18.0 sq ft for Size 3
		30.0 sq ft for Size 4 or 5
4	Letters =	15.0 sq ft for Size 2
		24.0 sq ft for Size 3
		40.0 sq ft for Size 4 or 5
5	Letters =	18.75 sq ft for Size 2
		30.0 sq ft for Size 3
		50.0 sq ft for Size 4 or 5
6	Letters =	22.5 sq ft for Size 2
		36.0 sq ft for Size 3
		60.0 sq ft for Size 4 or 5

6. When letters C,D,G,J are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

SHEET NO: 377 E

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:01 PLOT BY : mscj9h PLOT NAME :

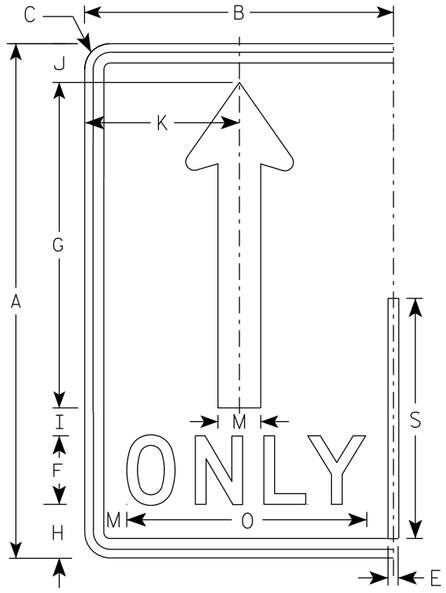
WISDOT/CADDS SHEET 42

7

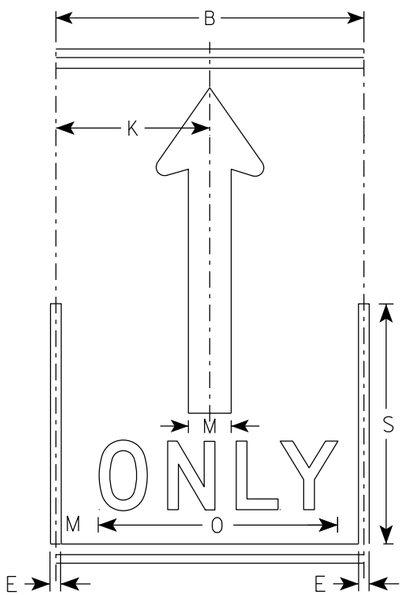
7

NOTES

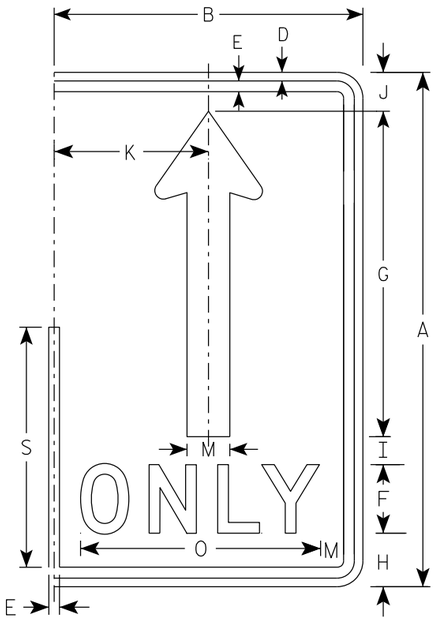
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



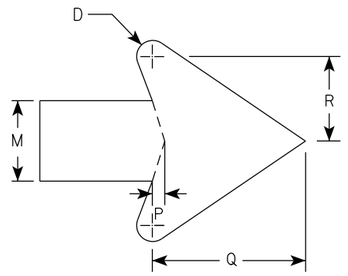
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

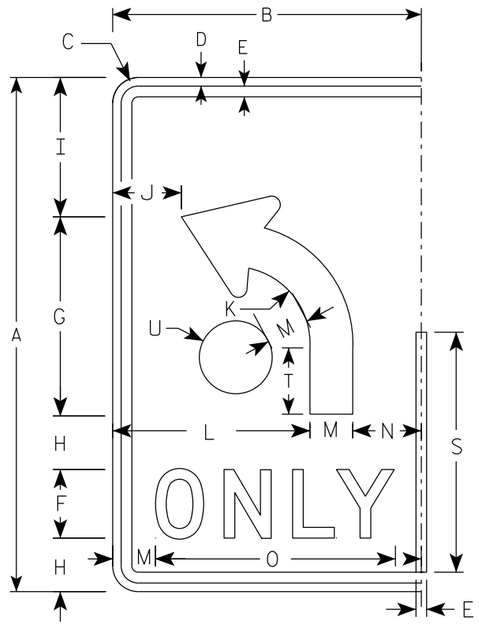
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

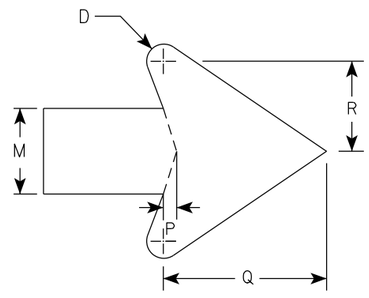
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 378 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

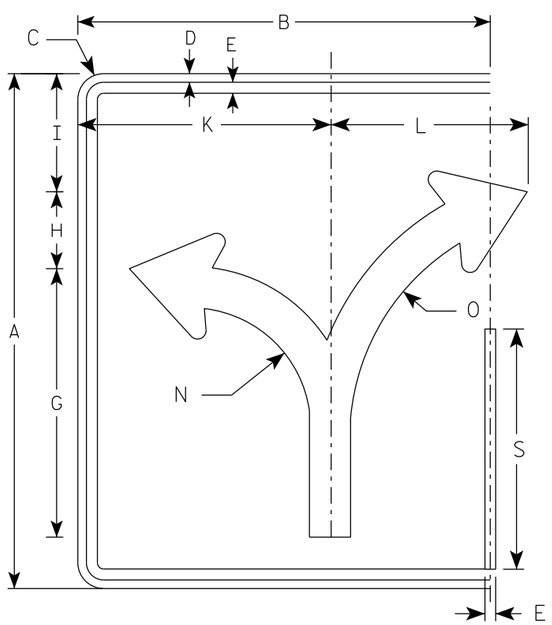
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

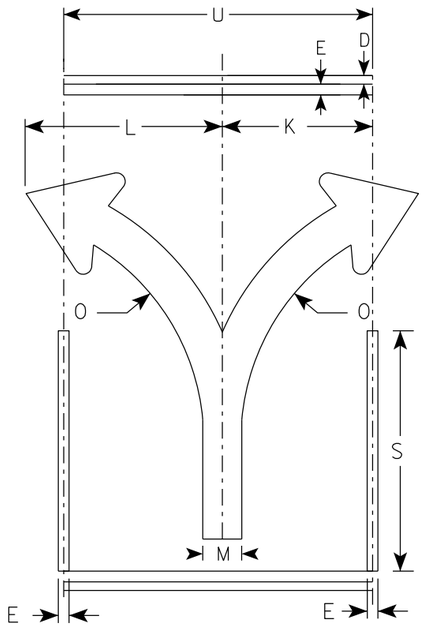
SHEET NO: 379 E

NOTES

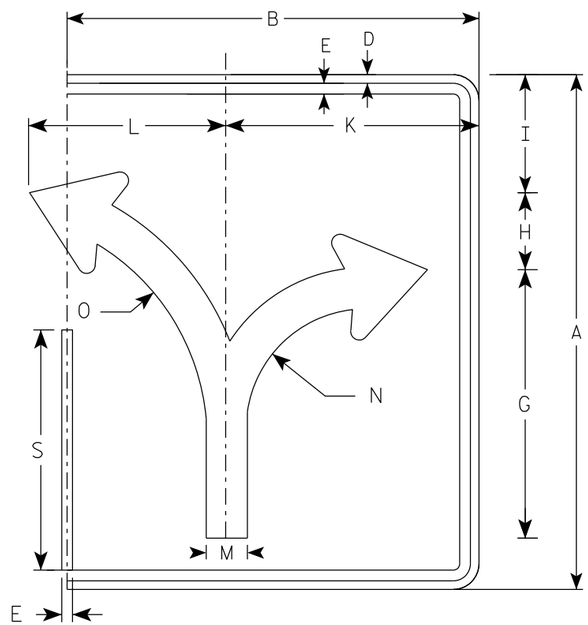
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



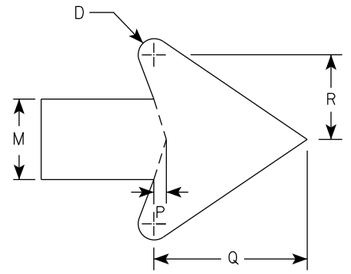
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

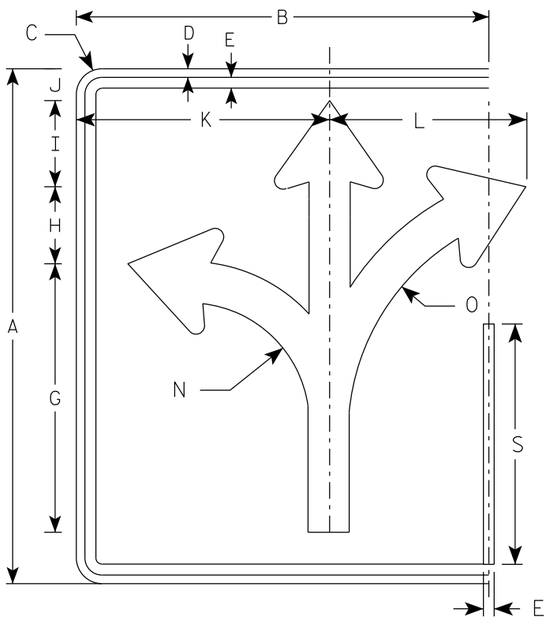
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

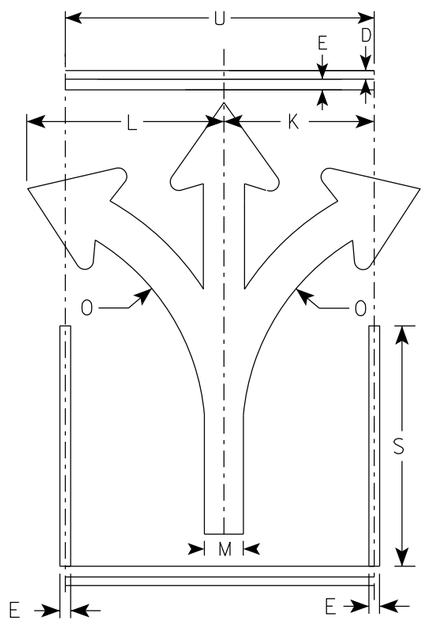
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 380 E

NOTES

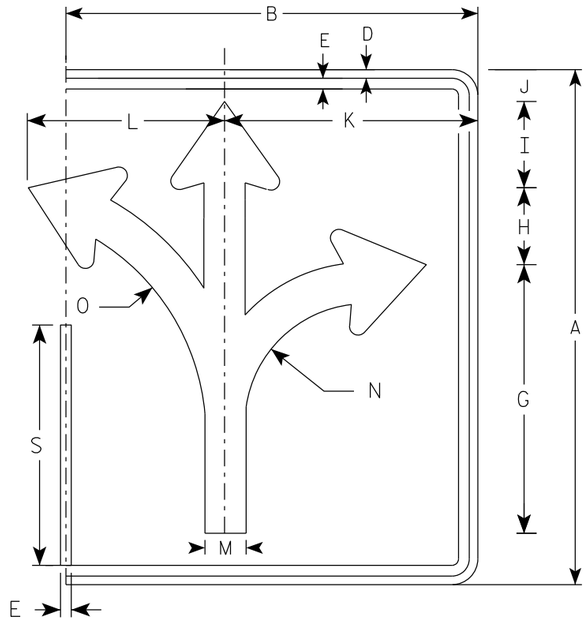
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



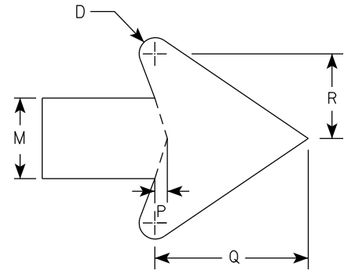
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

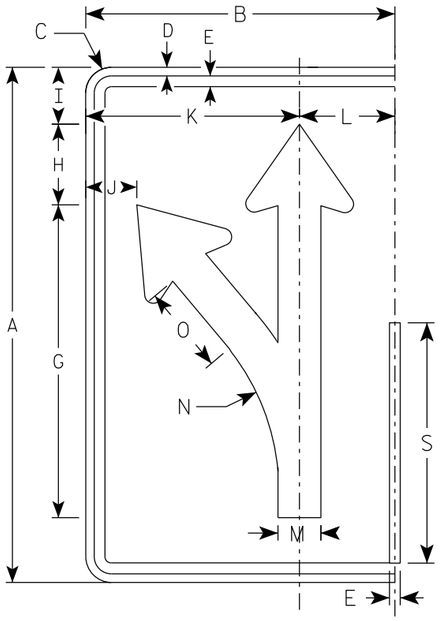
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

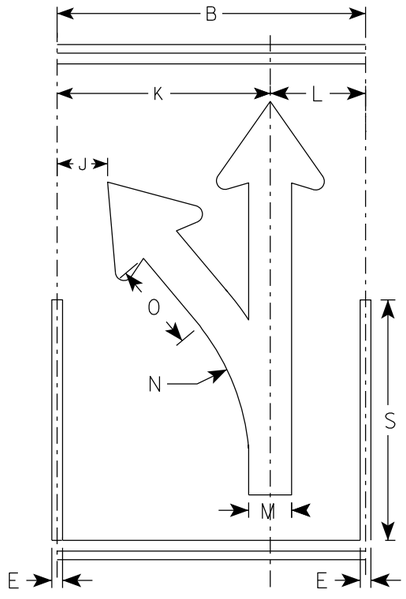
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 381 | E

NOTES

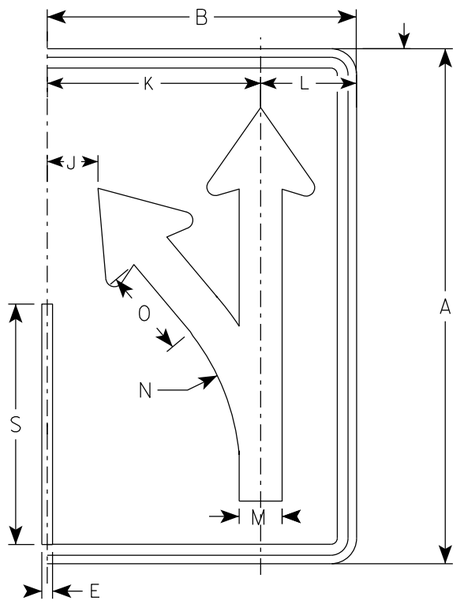
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



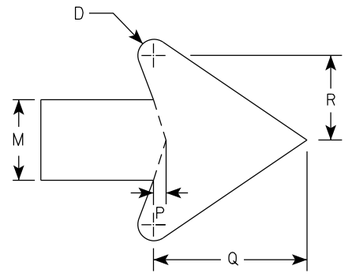
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

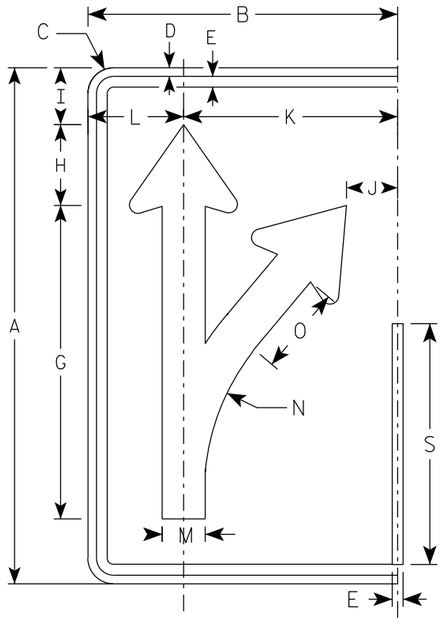
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

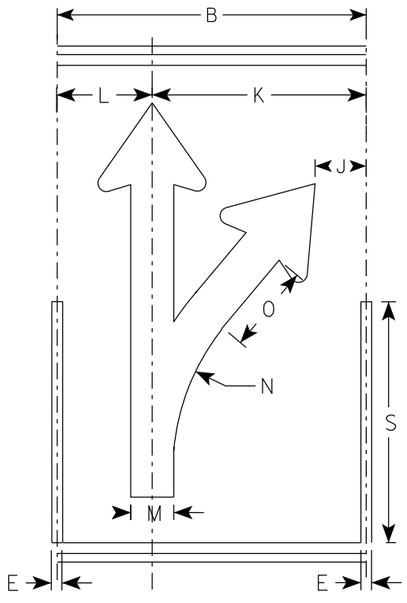
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 382 | E

NOTES

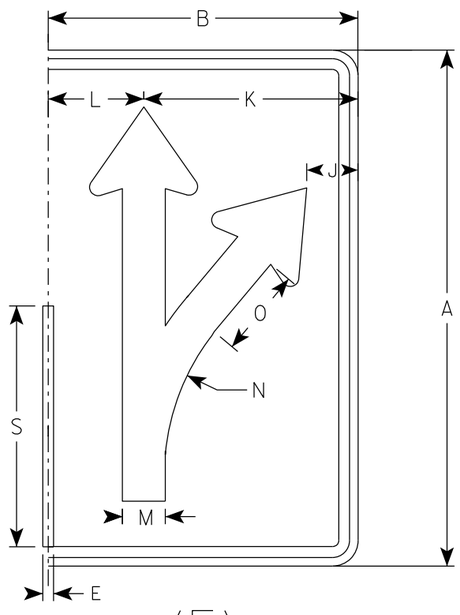
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



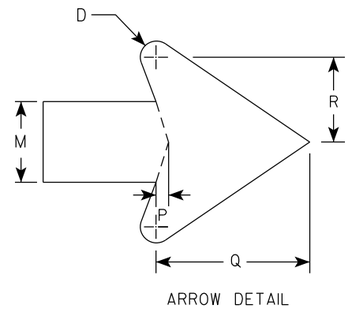
(F)



(F)



(F)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

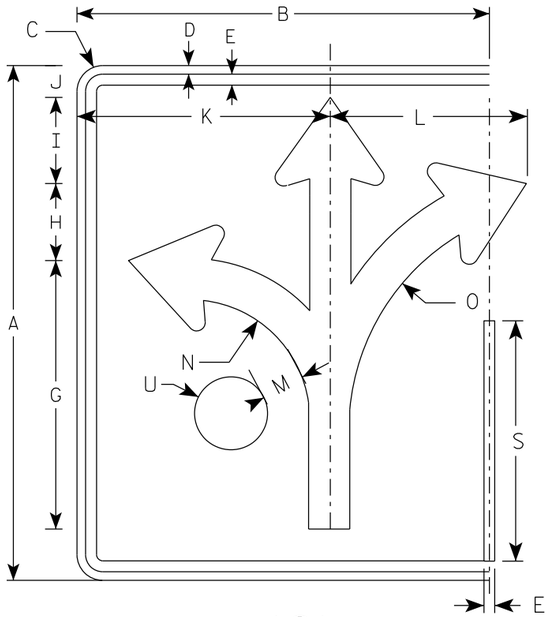
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

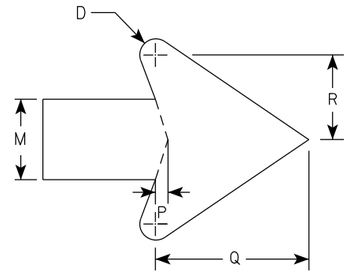
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 383 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

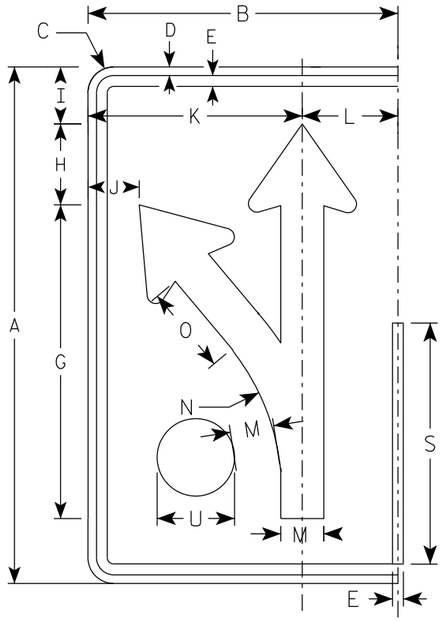
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

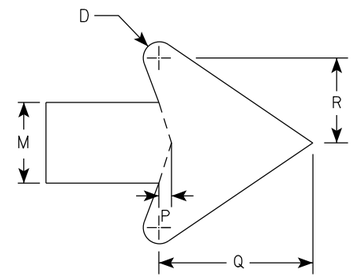
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 384	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

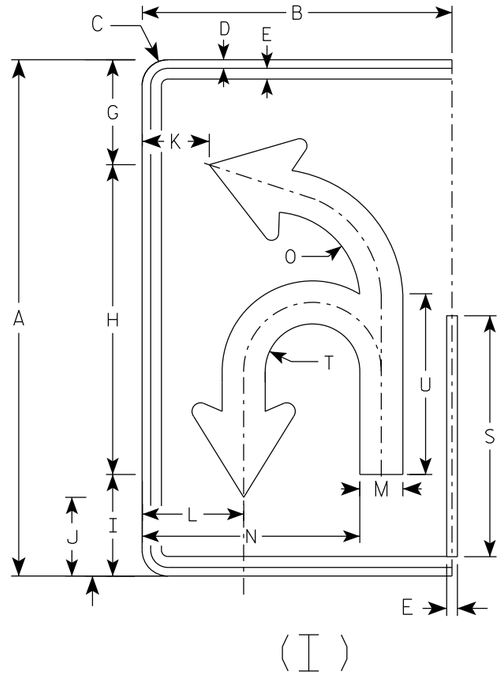
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

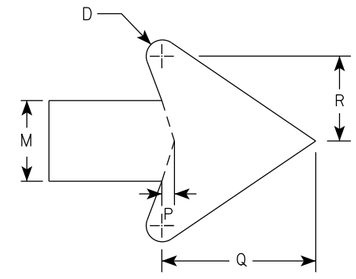
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 385 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 1/2	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

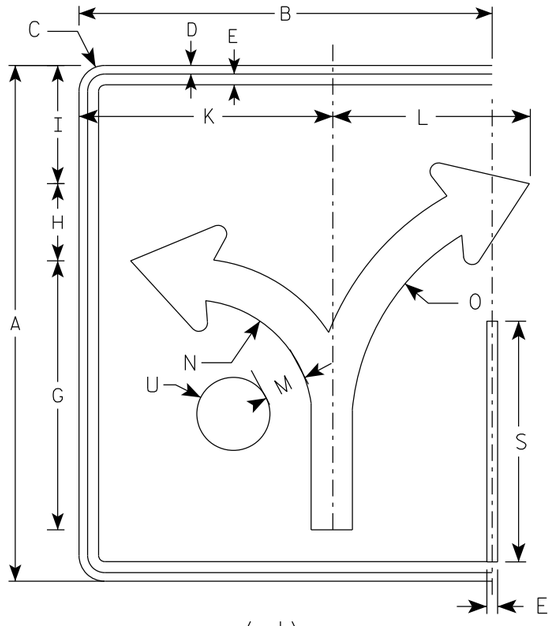
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

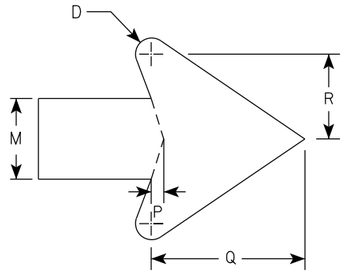
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 386 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(J)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (J) Arrow

WISCONSIN DEPT OF TRANSPORTATION

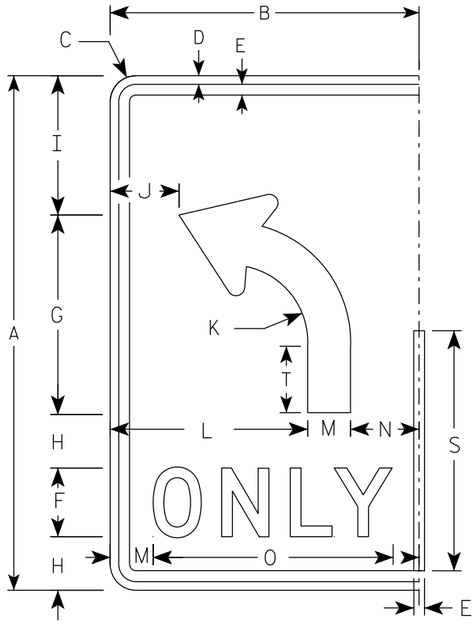
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

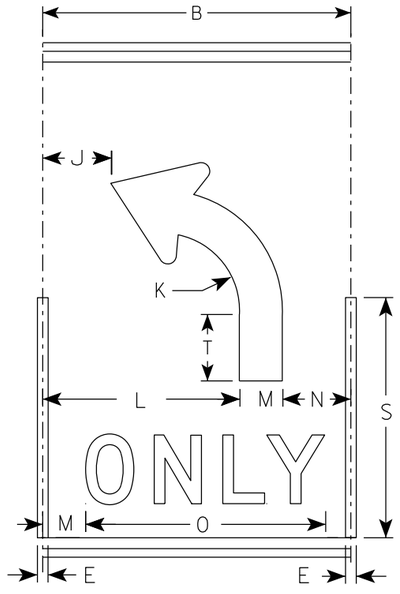
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 387 | E

NOTES

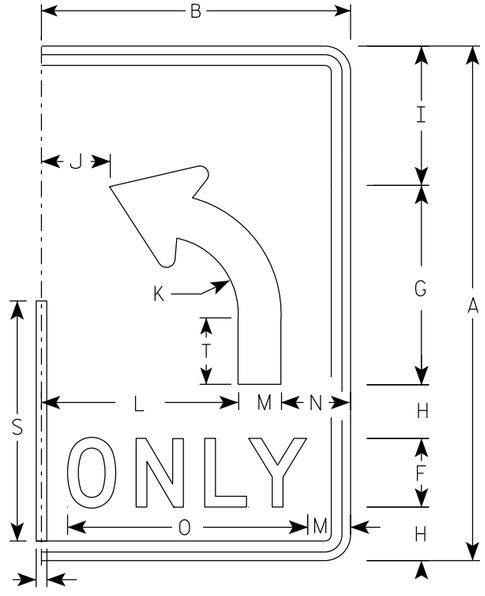
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



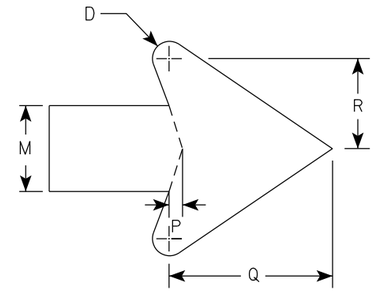
(L)



(L)



(L)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 ½	½	⅝	4	11 ⅝	3 ⅛	8 ⅛	4	4 ½	11 ½	2 ½	4	14	⅜	4 ¾	2 ⅝	14	3 ⅞							3.75
2M	30	18	1 ½	½	⅝	4	11 ⅝	3 ⅛	8 ⅛	4	4 ½	11 ½	2 ½	4	14	⅜	4 ¾	2 ⅝	14	3 ⅞							3.75
3	36	24	1 ½	½	⅝	5	14	3 ½	9 ¾	6	5 ⅜	15	3	6	17 ⅝	½	5 ¾	3 ⅛	16 ¾	4 ⅝							6.0
4	48	30	2 ¼	¾	1	6	18 ⅝	5 ⅛	13 ⅛	6 ⅛	7 ¼	18	4	8	21 ¾	⅝	7 ⅝	4 ¼	22 ⅜	6 ¼							10.0
5	48	30	2 ¼	¾	1	6	18 ⅝	5 ⅛	13 ⅛	6 ⅛	7 ¼	18	4	8	21 ¾	⅝	7 ⅝	4 ¼	22 ⅜	6 ¼							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

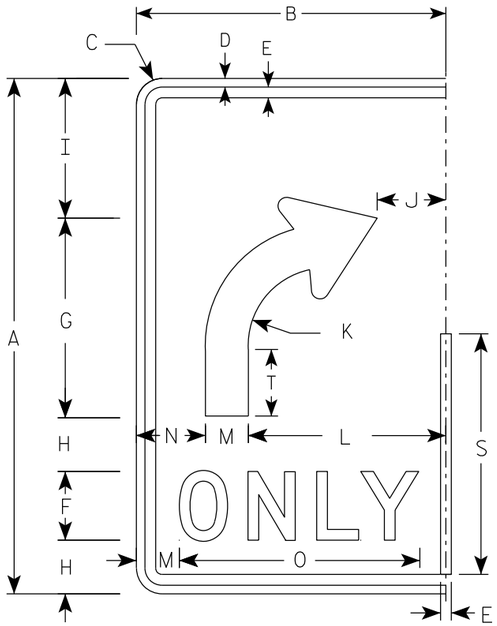
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

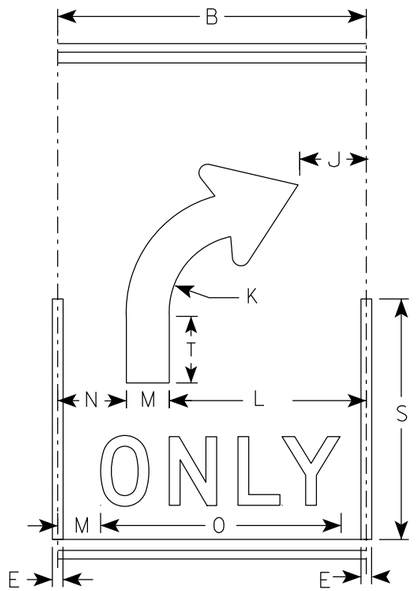
SHEET NO: 388 E

NOTES

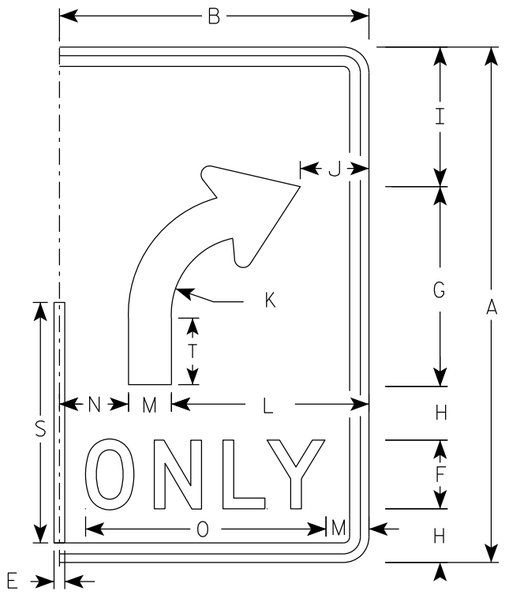
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



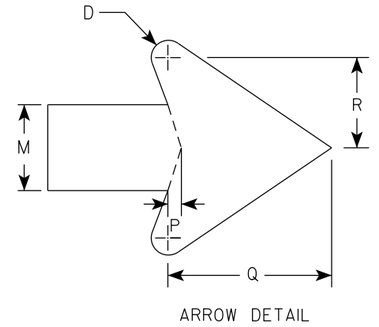
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (R) Arrow

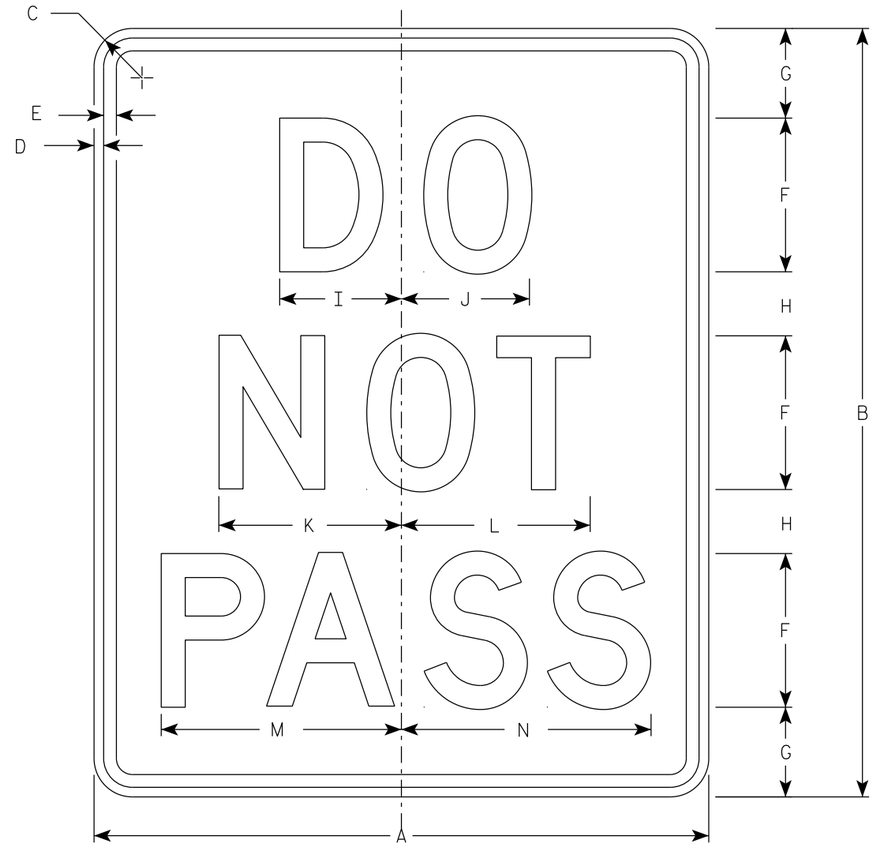
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

SHEET NO: 389 E



R4-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/2	3/8	1/2	4	3 1/2	2 1/2	3 1/8	3 1/4	4 3/4	4 7/8	6 1/4	6 1/2													3.0
2S	24	30	1 1/2	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
2M	24	30	1 1/2	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
3	36	48	1 7/8	5/8	3/4	8	7	5	6 1/4	6 5/8	9 1/2	9 3/4	12 1/2	13													12.0
4	36	48	1 7/8	5/8	3/4	8	7	5	6 1/4	6 5/8	9 1/2	9 3/4	12 1/2	13													12.0
5	48	60	3	3/4	1	10	8	7	7 3/4	8 3/8	11 7/8	12 1/4	15 5/8	16 1/4													20.0

STANDARD SIGN
R4-1

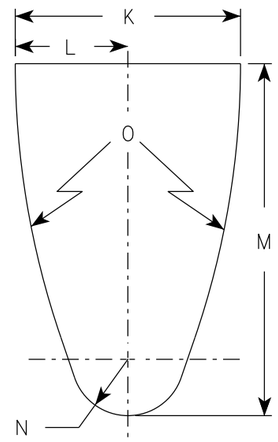
WISCONSIN DEPT OF TRANSPORTATION

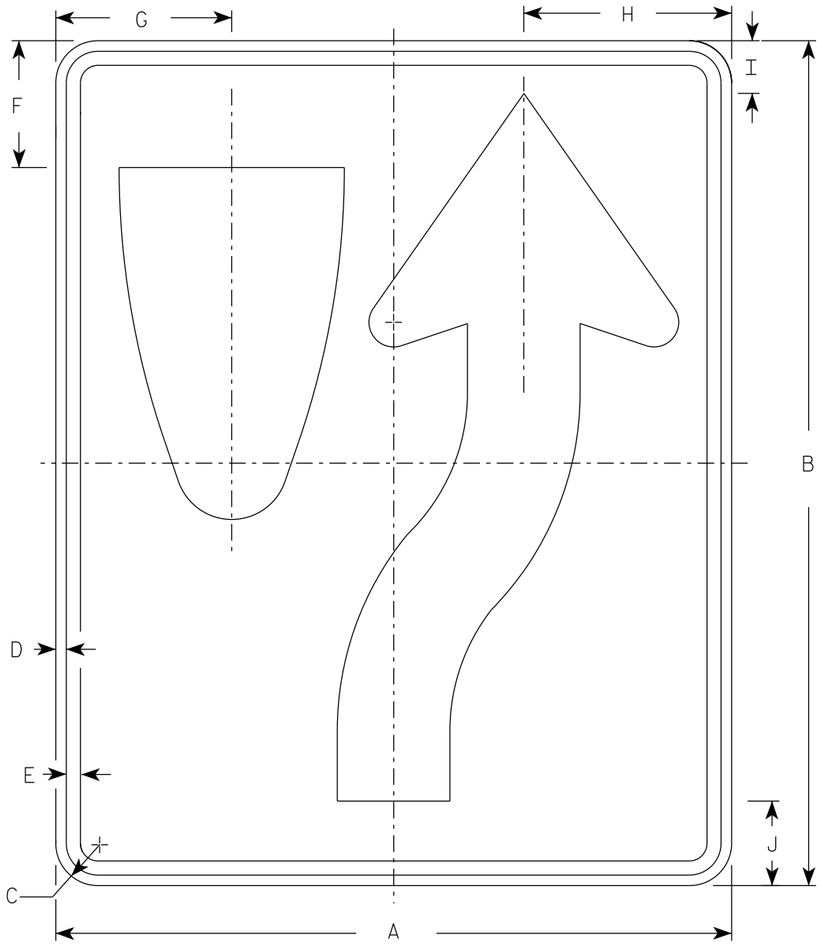
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/23 PLATE NO. R4-1.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 390 | E

DIVIDER DETAIL



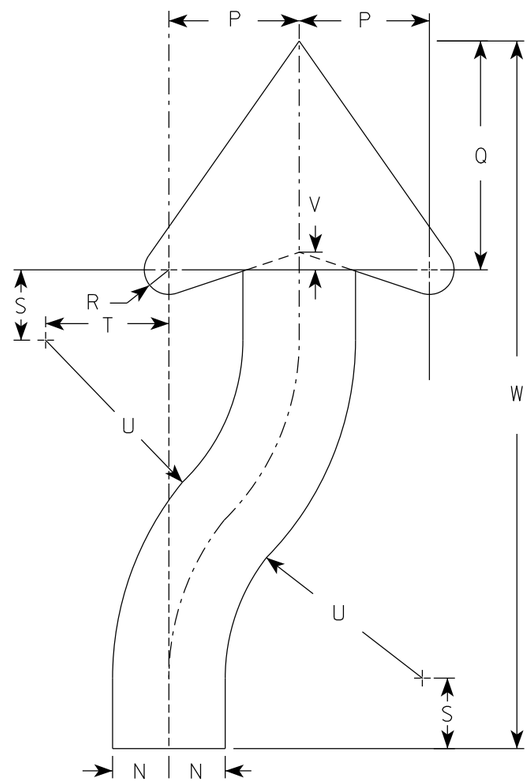


R4-7

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. R4-8 is the same as R4-7 except Legend is reversed.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/2	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/2	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/2	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 7/8	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 7/8	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	3	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

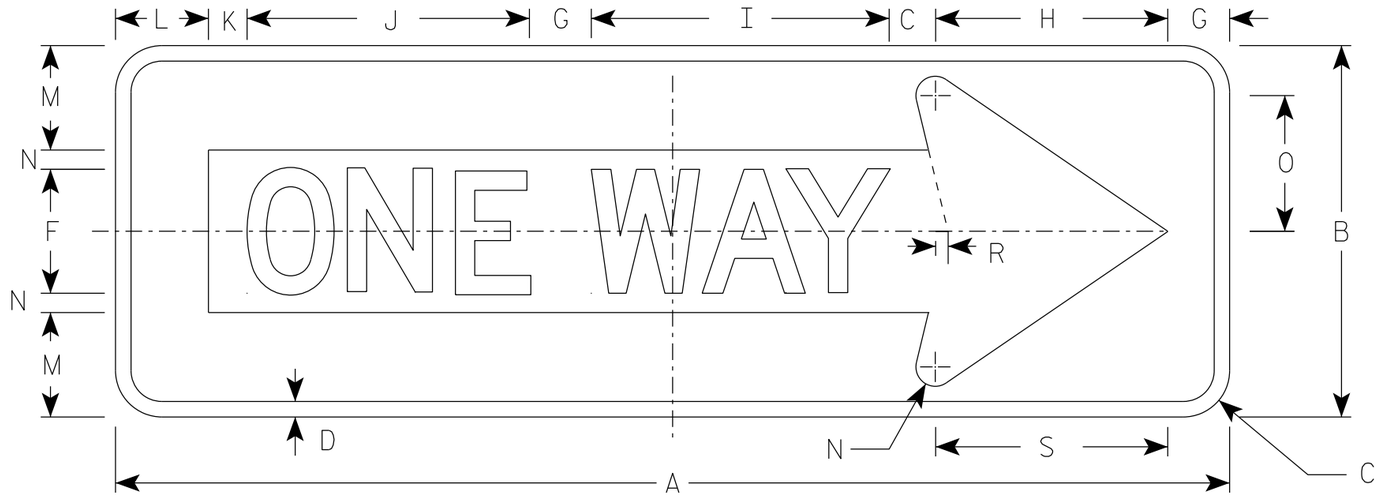
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 8/17/23 PLATE NO. R4-7.9

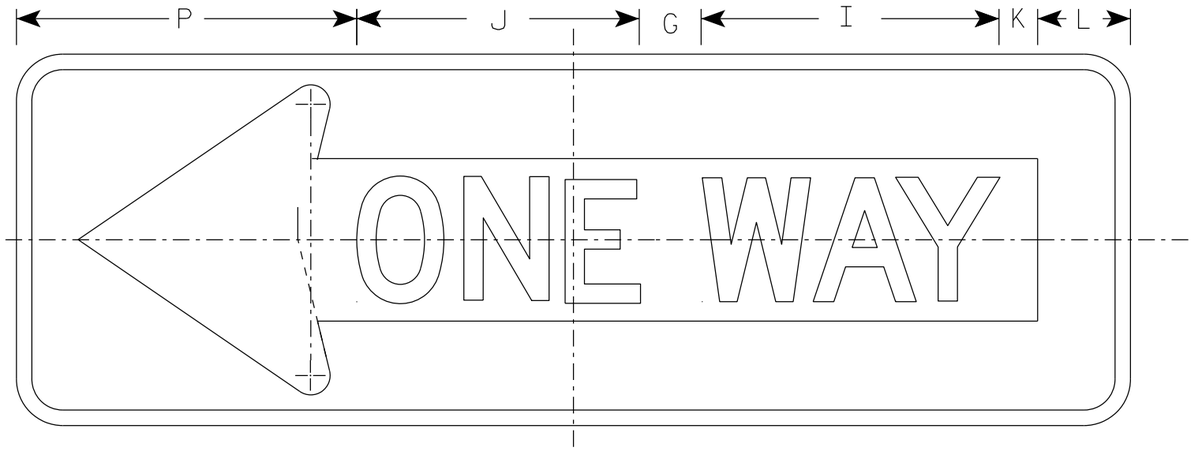
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 391	E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Black
   Message - Black Legend & White Arrow & Border
3. Message Series - D



R6-1L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 ½	½		4	2	7 ½	9 ⅝	9 ⅛	1 ¼	3	3 ⅜	⅝	4 ⅜	11		⅜	7 ½								3.0
2M	54	18	1 ½	¾		6	3	11 ¼	13 ⅝	14 ½	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
3	54	18	1 ½	¾		6	3	11 ¼	13 ⅝	14 ½	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
4	54	18	1 ½	¾		6	3	11 ¼	13 ⅝	14 ½	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
5																											

STANDARD SIGN
R6-1 L&R

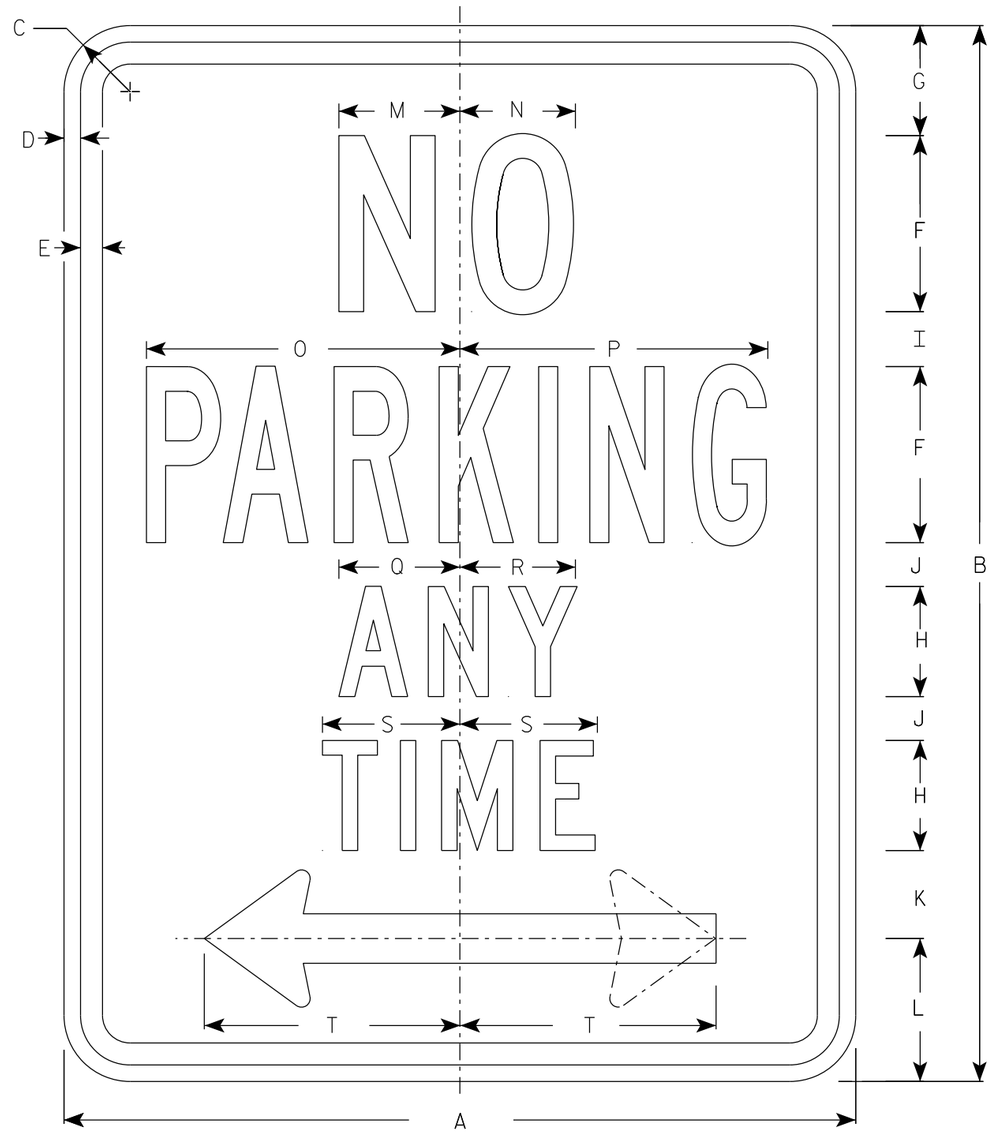
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/30/23 PLATE NO. R6-1.4

PROJECT NO:

SHEET NO: 392 E

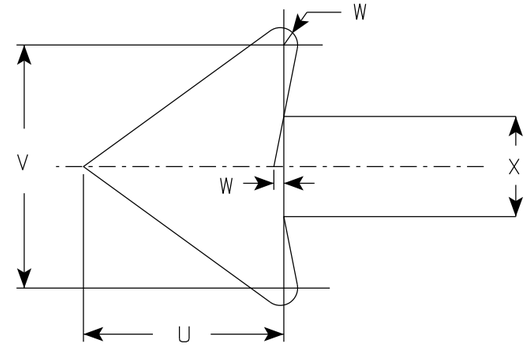


R7-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 4
4. Lines 1, 3 and 4 are series C, line 2 is series B.
5. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 ½	⅜	⅜	3	1 ⅞	2	⅞	⅝	1 ½	2 ½	2	2	4 ⅞	4 ⅞	2 ¼	2 ⅛	2 ½	3 ⅞	1 ½	1 ¾	⅛	¾			1.5
2S	18	24	1 ½	⅜	½	4	2 ½	2 ½	1 ¼	1	2	3 ¼	2 ¾	2 ⅝	7 ⅛	7	2 ¾	2 ⅝	3 ⅛	5 ⅞	2 ¼	2 ⅝	¼	1 ⅛			3.0
2M	24	30	1 ½	⅜	½	5	3	3	2	1 ¼	2 ½	4	3 ¼	3 ⅜	9 ¼	9 ¼	3 ¼	3 ¼	3 ¾	7 ¾	3	3 ½	¼	1 ½			5.0
3	24	30	1 ½	⅜	½	5	3	3	2	1 ¼	2 ½	4	3 ¼	3 ⅜	9 ¼	9 ¼	3 ¼	3 ¼	3 ¾	7 ¾	3	3 ½	¼	1 ½			5.0
4																											
5																											

STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/26/23 PLATE NO. R7-1.11

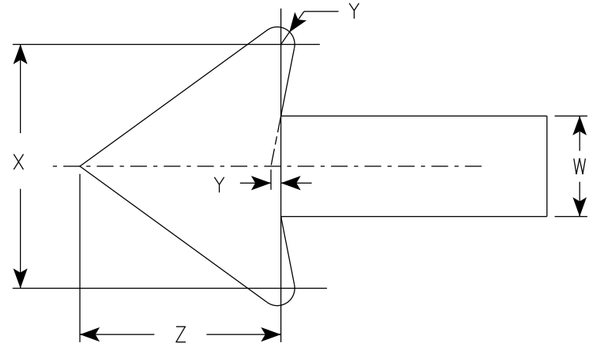
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 393 E



R7-51

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - Lines 1, 3 and 4 are Series C.
   Line 2 is Series B.
4. R7-51D (double arrow)
   R7-51R (right arrow)
   R7-51L (left arrow)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/2	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	4 7/8	5/8	1 3/4	2 1/2	4 3/8	3 7/8	3/4	1 3/4	1/8	1 1/2	1.5
2S	18	24	1 1/2	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	5 3/4	1 1/8	1 1/2	3 1/8	5 1/2	5 7/8	1 1/8	2 5/8	1/4	2 1/4	3.0
2M	24	30	1 1/2	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
3	24	30	1 1/2	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
4																											
5																											

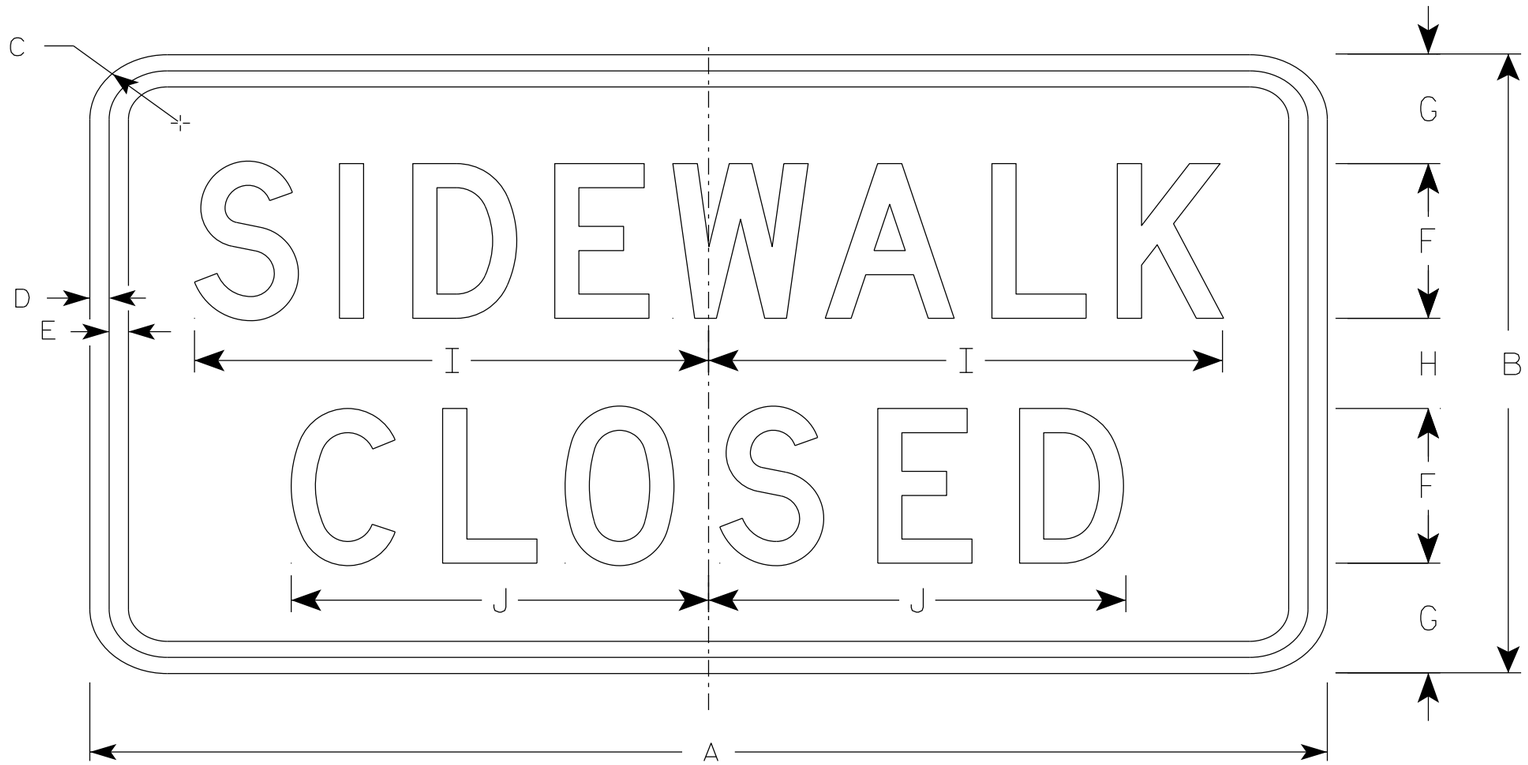
STANDARD SIGN
R7-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/9/23 PLATE NO. R7-51.7

PROJECT NO:	HWY:	COUNTY:			SHEET NO: 394	E



R9-9

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 ½	½	½	3	2 ⅛	1 ¾	10	8 ⅛																	2.0
2M	24	12	1 ½	½	½	3	2 ⅛	1 ¾	10	8 ⅛																	2.0
3	30	18	1 ½	½	½	4	3 ½	3	12 ½	10 ¼																	3.75
4																											
5																											

STANDARD SIGN
R9-9

WISCONSIN DEPT OF TRANSPORTATION

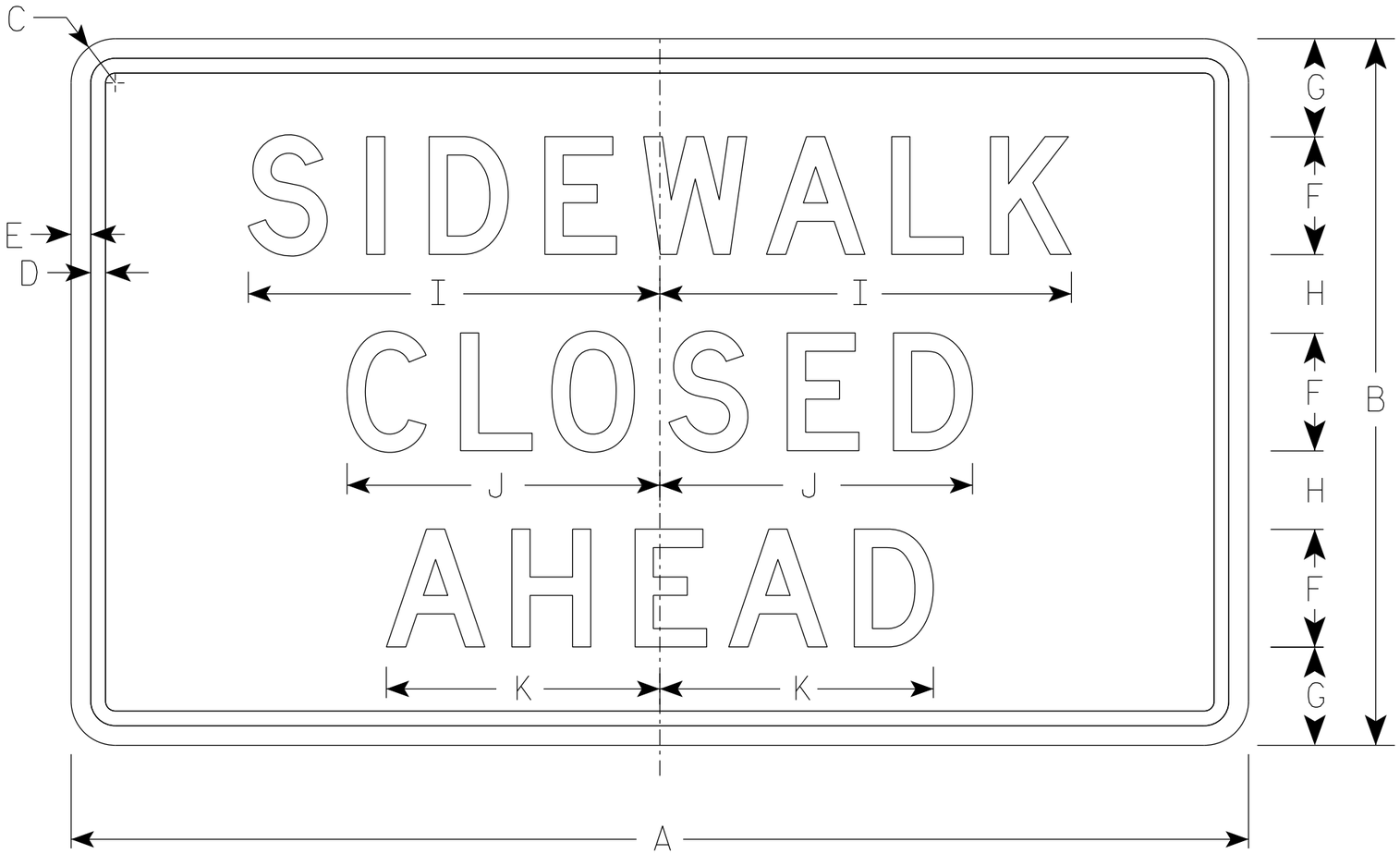
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 395 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



R9-9A

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 ½	⅜	½	3	2 ½	2	10 ½	8	7																3.75
2M	30	18	1 ½	⅜	½	3	2 ½	2	10 ½	8	7																3.75
3																											
4																											
5																											

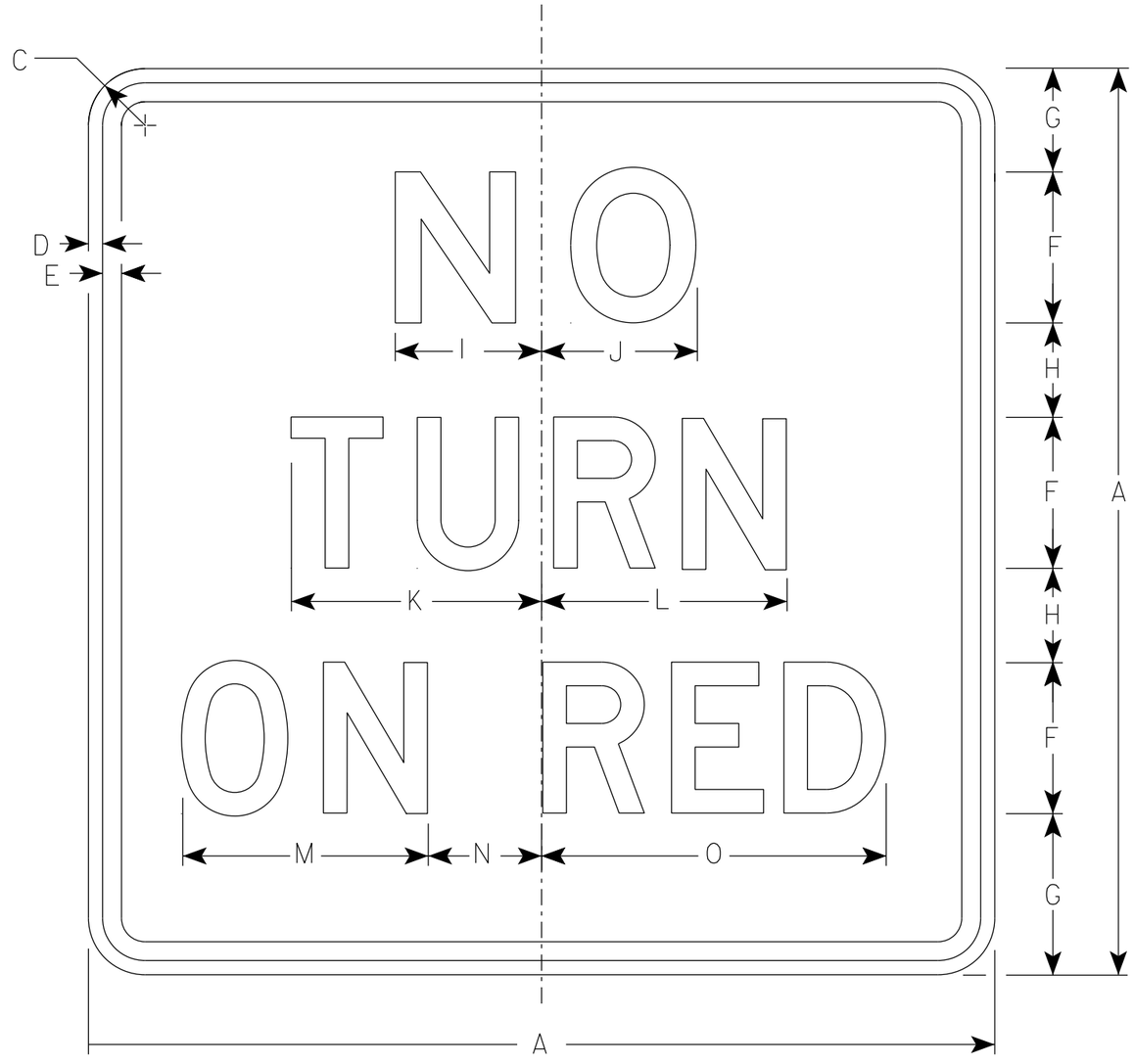
STANDARD SIGN
R9-9A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9A.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 396 | E



R10-11B

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series E.
   Lines 2 and 3 are Series D.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/2	3/8	3/8	3	2 3/4	1 3/4	3	3 1/8	5	4 7/8	5 1/4	1 7/8	7 1/8												2.25
2S	24		1 1/2	3/8	1/2	4	3 1/2	2 1/2	3 7/8	4 1/8	6 5/8	6 1/2	6 1/2	3	9 1/8												4.0
2M	24		1 1/2	3/8	1/2	4	3 1/2	2 1/2	3 7/8	4 1/8	6 5/8	6 1/2	6 1/2	3	9 1/8												4.0
3	30		1 7/8	1/2	5/8	5	4 1/2	3	4 7/8	5 1/4	8 1/4	8 1/8	7 3/4	4 1/8	11 7/8												6.25
4																											
5																											

STANDARD SIGN
R10-11B

WISCONSIN DEPT OF TRANSPORTATION

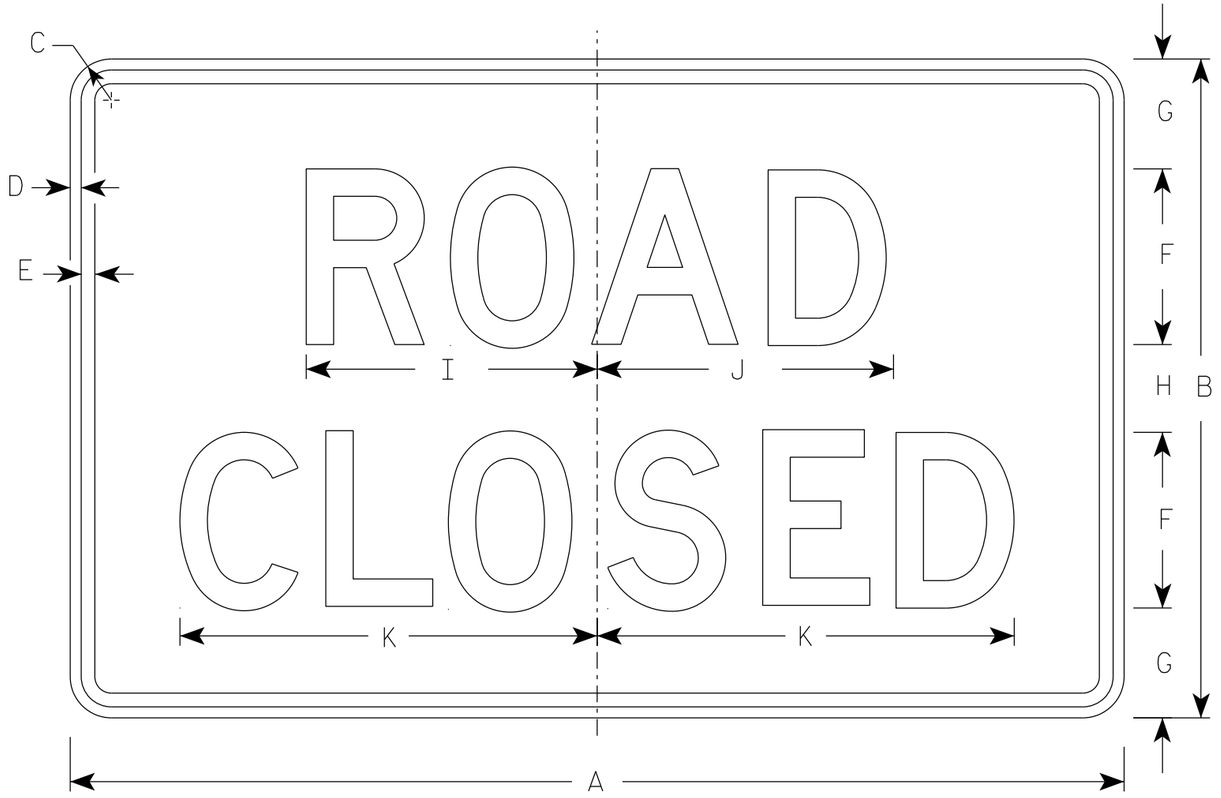
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/31/24 PLATE NO. R10-11B.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 397 E

7

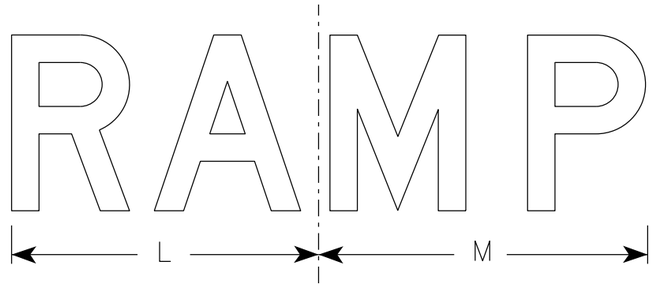
7



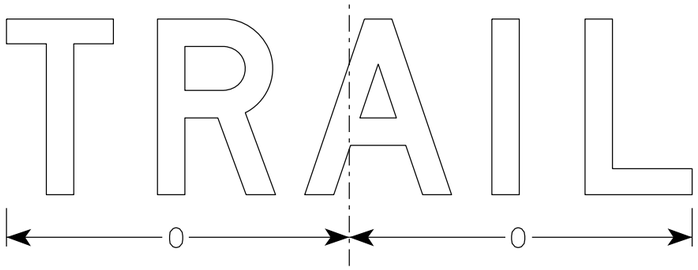
R11-2

NOTES

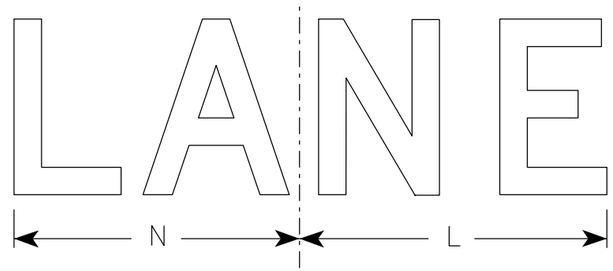
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

STANDARD SIGN
R11-2

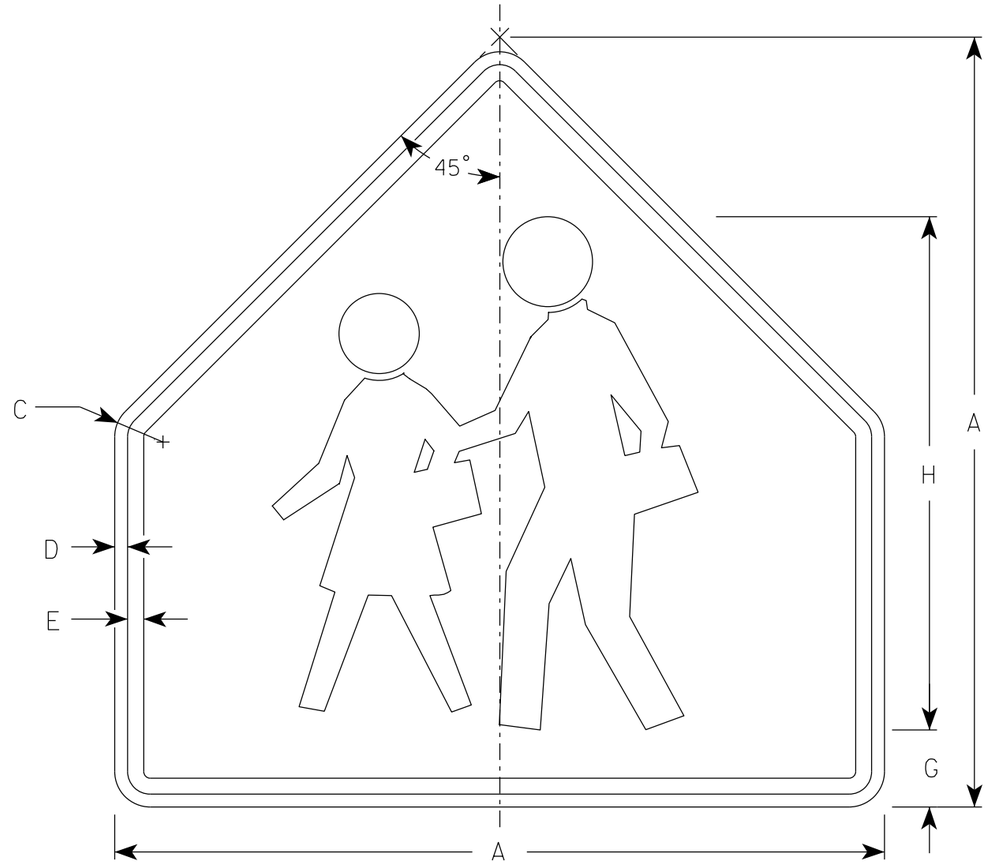
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-2.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

7



S1-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow-Green
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3	20																			4.69
2S	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
2M	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		1 7/8	3/4	1		4 3/4	32																			12
5																											

STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

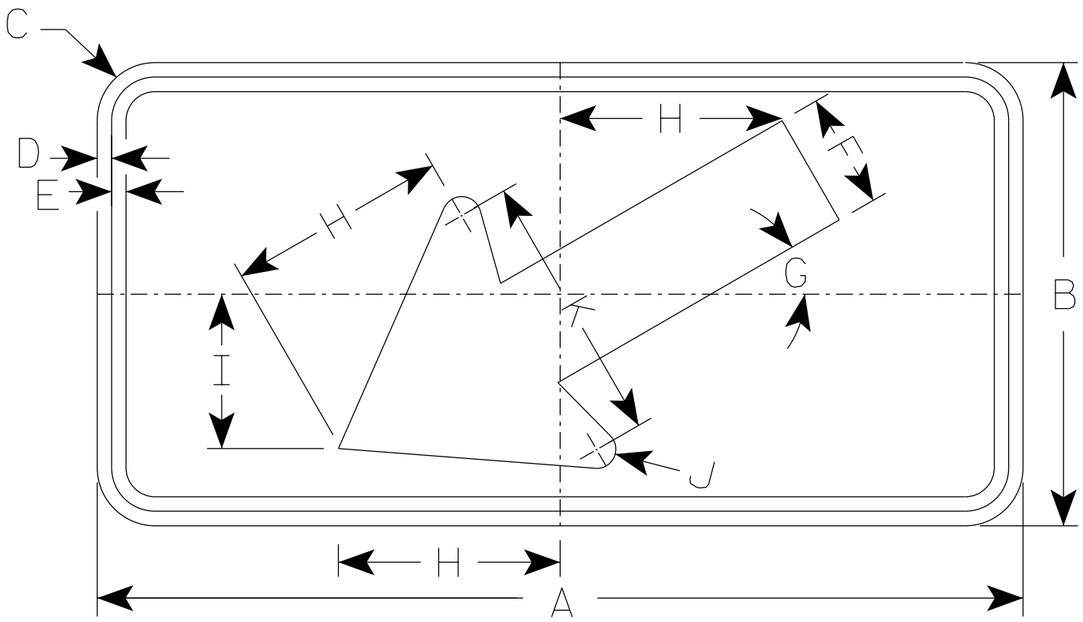
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/16/2023 PLATE NO. S1-1.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 399 E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow-Green
   Message - Black
3. S16-7R is the same as S16-7L except the arrow is reversed along the vertical centerline.



S16-7L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 ½	⅜	⅜	3	30°	5 ¾	4	½	7																2.0
2S	30	18	1 ½	⅜	½	4 ½	30°	8 ½	6	⅝	10 ¼																3.75
2M	30	18	1 ½	⅜	½	4 ½	30°	8 ½	6	⅝	10 ¼																3.75
3	30	18	1 ½	⅜	½	4 ½	30°	8 ½	6	⅝	10 ¼																3.75
4	48	24	1 ⅞	½	⅝	6	30°	11 ½	8	1	14																8.0
5																											

STANDARD SIGN
S16-7

WISCONSIN DEPT OF TRANSPORTATION

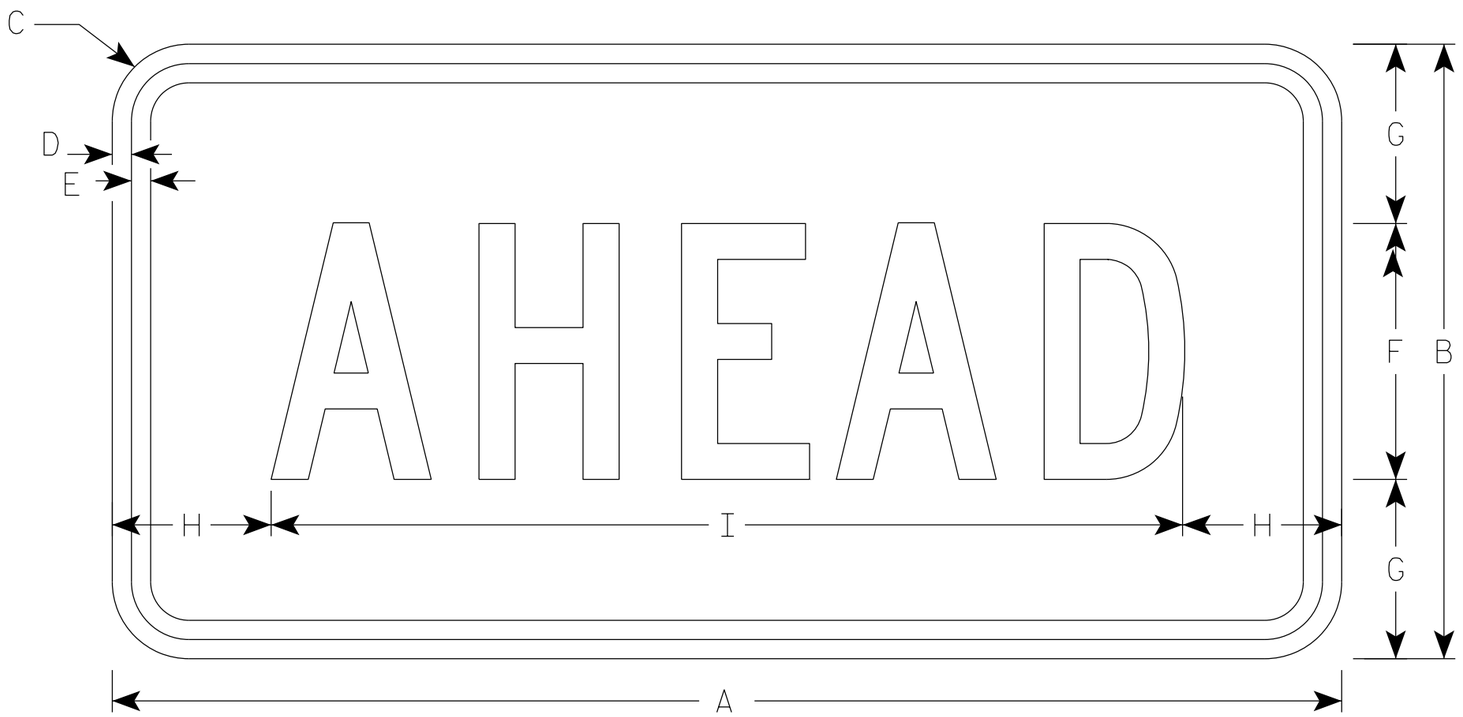
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/2023 PLATE NO. S16-7.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 400 | E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow-Green
   Message - Black
3. Message Series - C



S16-9P

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/2	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/2	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/2	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/2	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 7/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
S16-9P

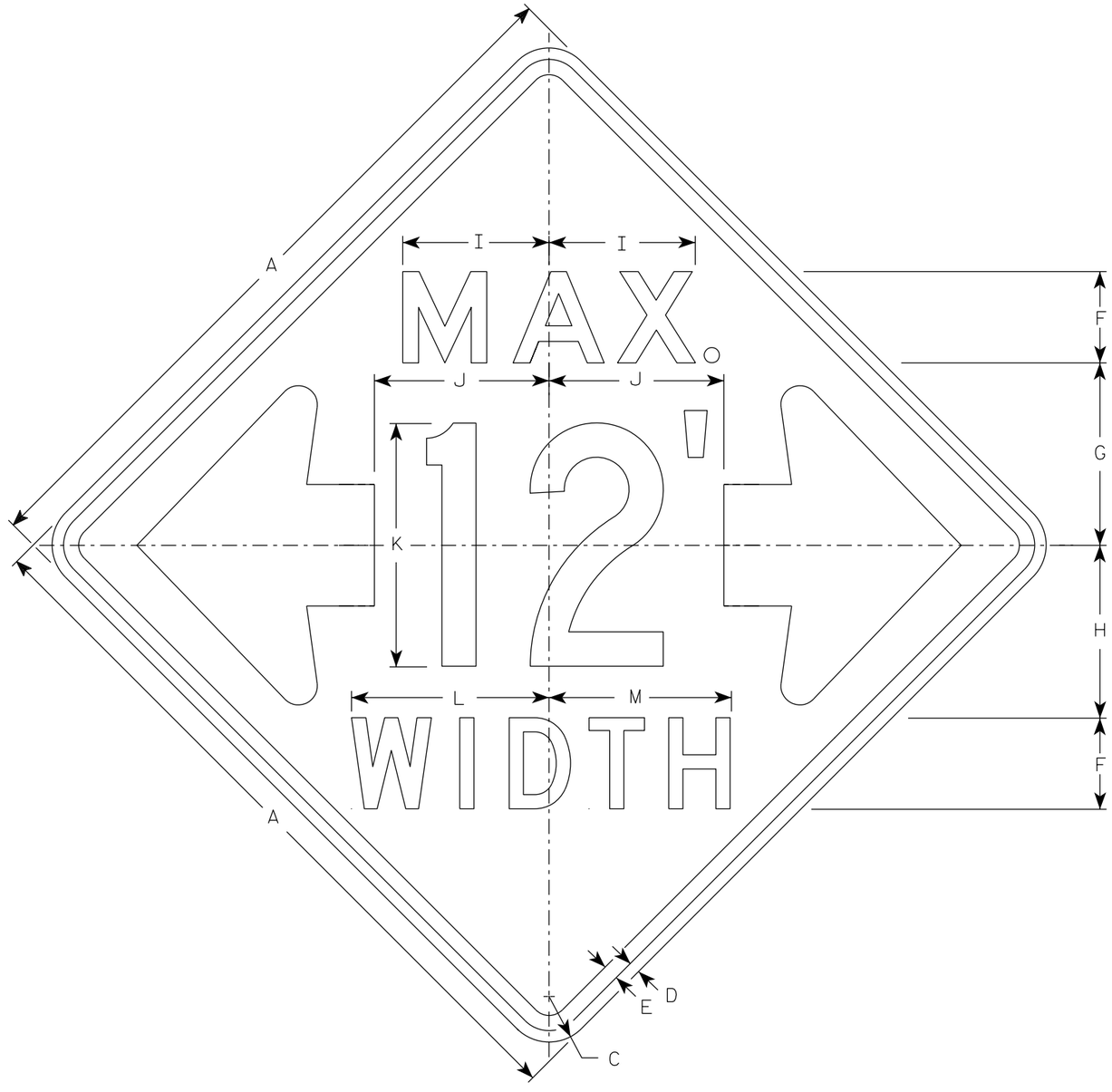
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/23/2023 PLATE NO. S16-9P.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

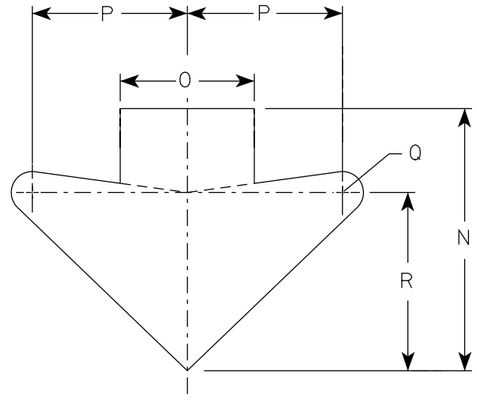
FILE NAME : C:\Users\PROJECTS\tr_stdplate\S169P.dgn PLOT DATE : 23-FEB 2023 10:32 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W12-52

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. The top line is series E, the numerals are series C, and the bottom line is series D.
5. Substitute appropriate numerals and adjust spacing as required.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48		3	¾	1	6	12	11 ⅜	9 ⅝	11 ½	16	13	12	15 ⅝	8	9 ¼	1 ¼	10 ⅝									16.0
2M	48		3	¾	1	6	12	11 ⅜	9 ⅝	11 ½	16	13	12	15 ⅝	8	9 ¼	1 ¼	10 ⅝									16.0
3																											
4																											
5																											

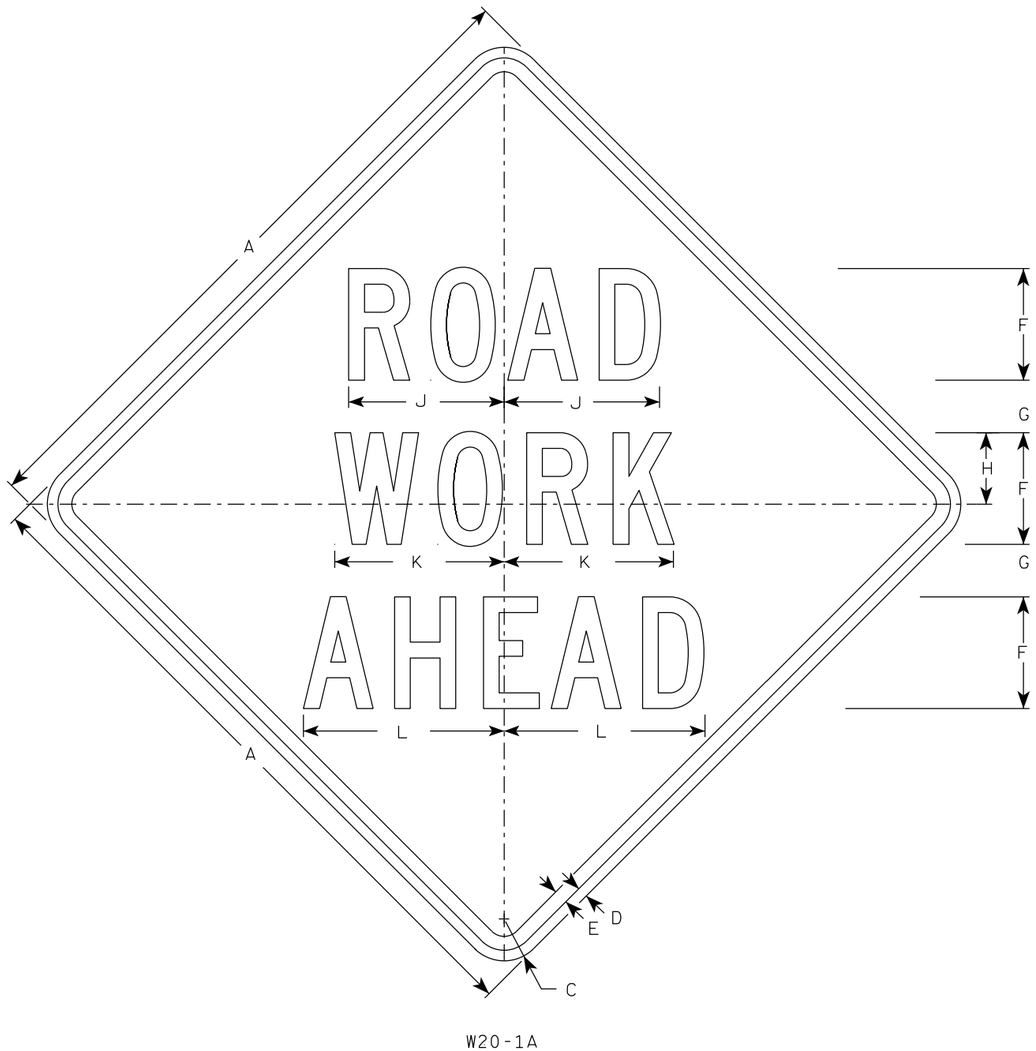
STANDARD SIGN
W12-52

WISCONSIN DEPT OF TRANSPORTATION

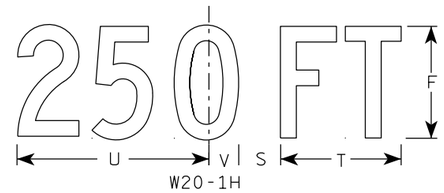
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/10/2024 PLATE NO. W12-52.8

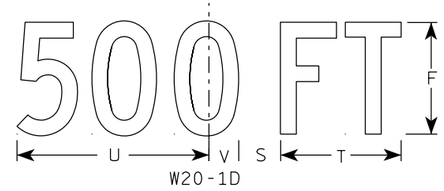
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 402 | E



W20-1A



W20-1H



W20-1D



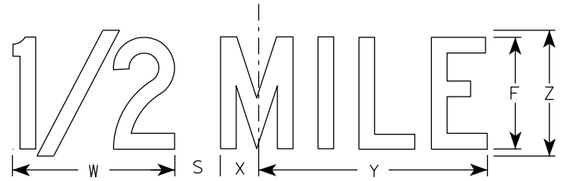
W20-1C



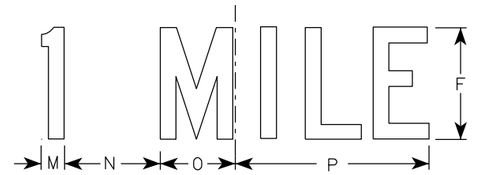
W20-1B

NOTES

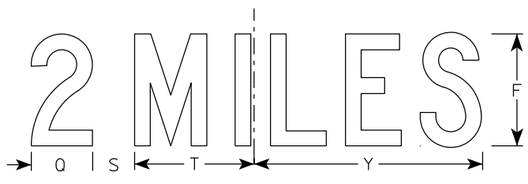
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

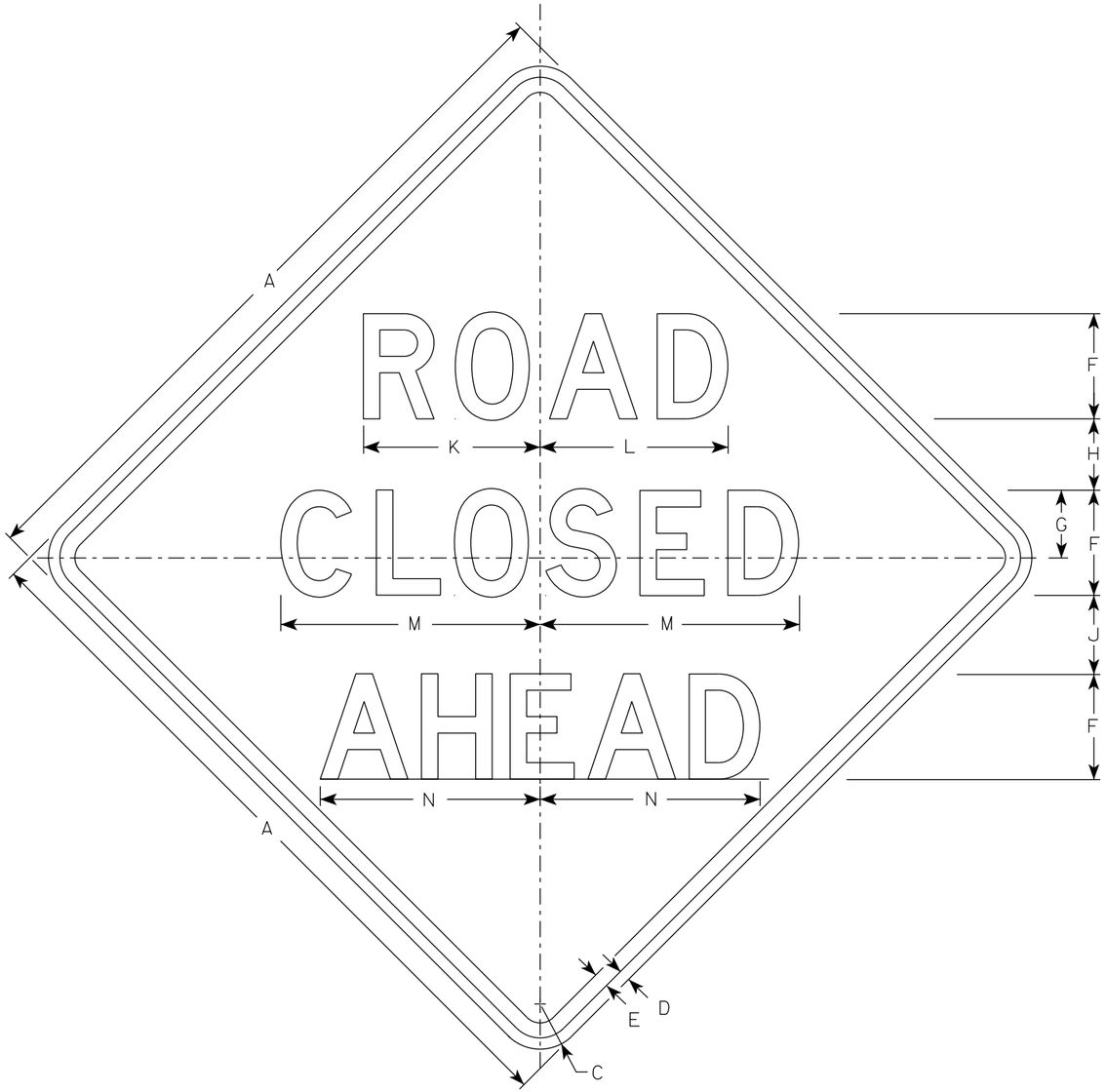
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

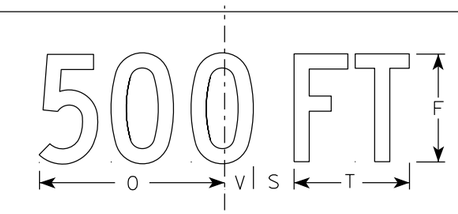
DATE 1/10/2024 PLATE NO. W20-1.12

PROJECT NO:

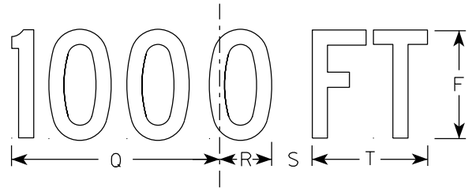
SHEET NO: 403 E



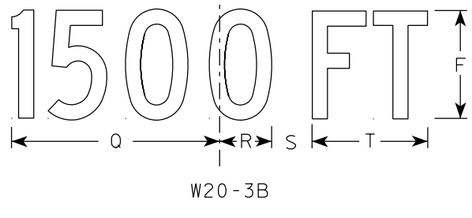
W20-3A



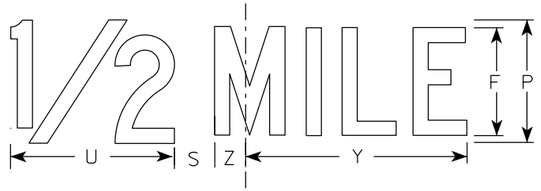
W20-3D



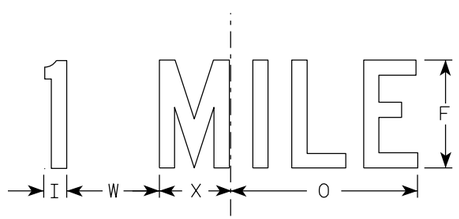
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

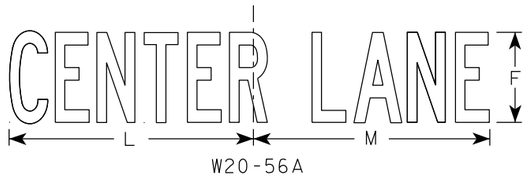
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-3.8

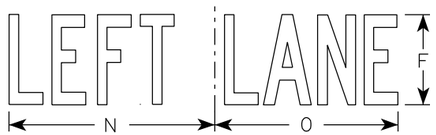
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN PLOT DATE : 10-JAN 2024 12:02 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

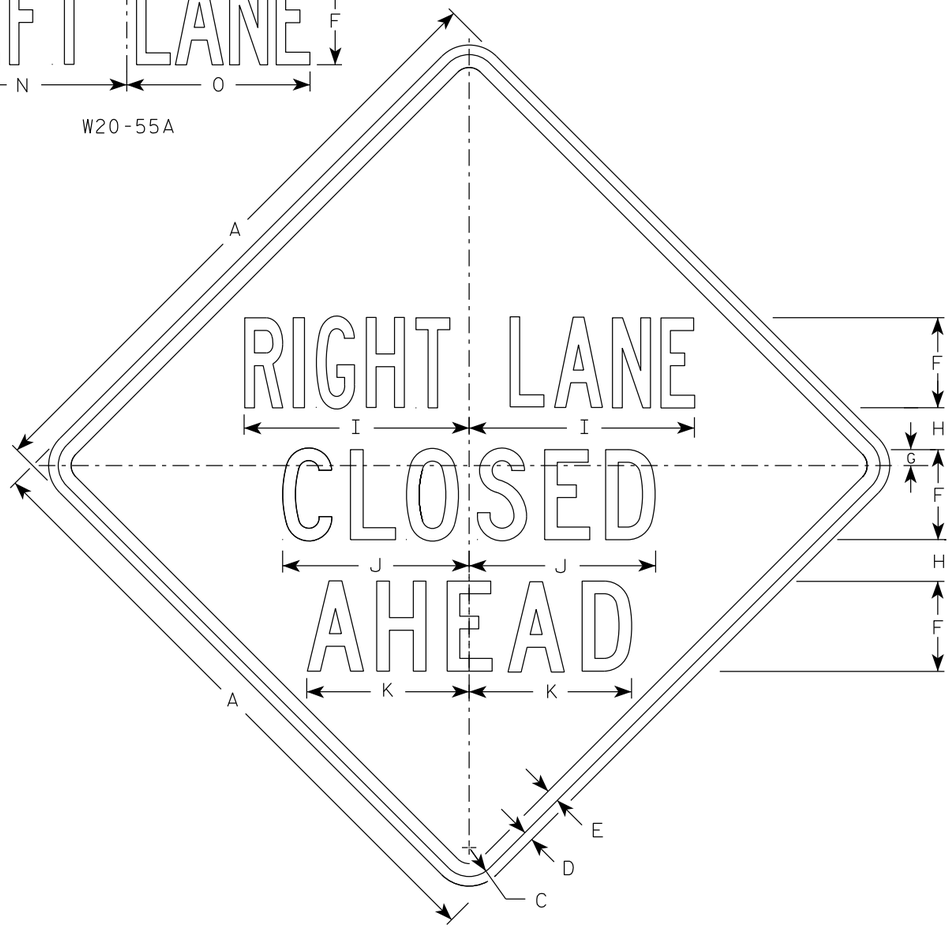
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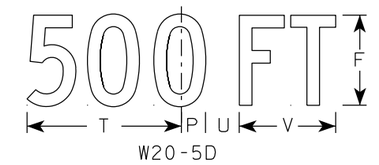
W20-56A



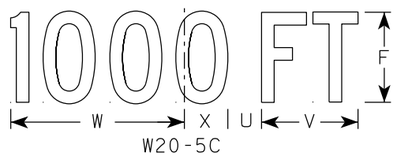
W20-55A



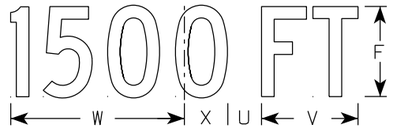
W20-5A



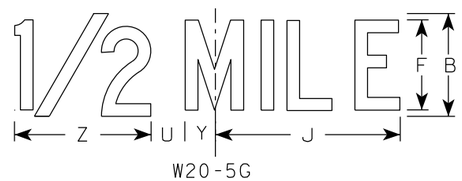
W20-5D



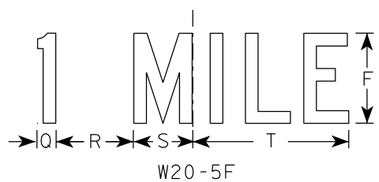
W20-5C



W20-5B



W20-5G



W20-5F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	2 1/4	5/8	3/4	5	7/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 7/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

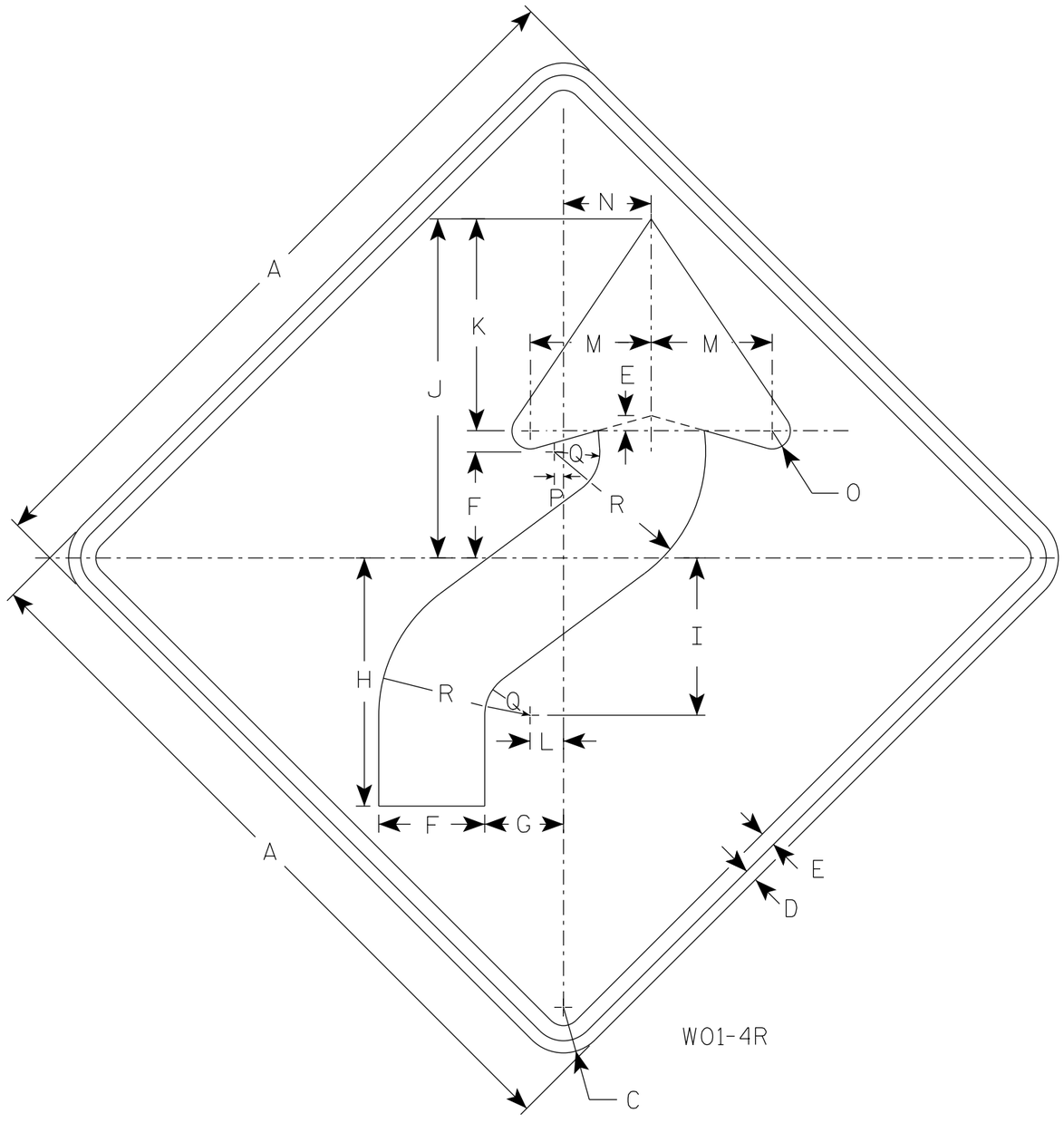
STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/27/24 PLATE NO. W20-5.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 405 | E



W01-4R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

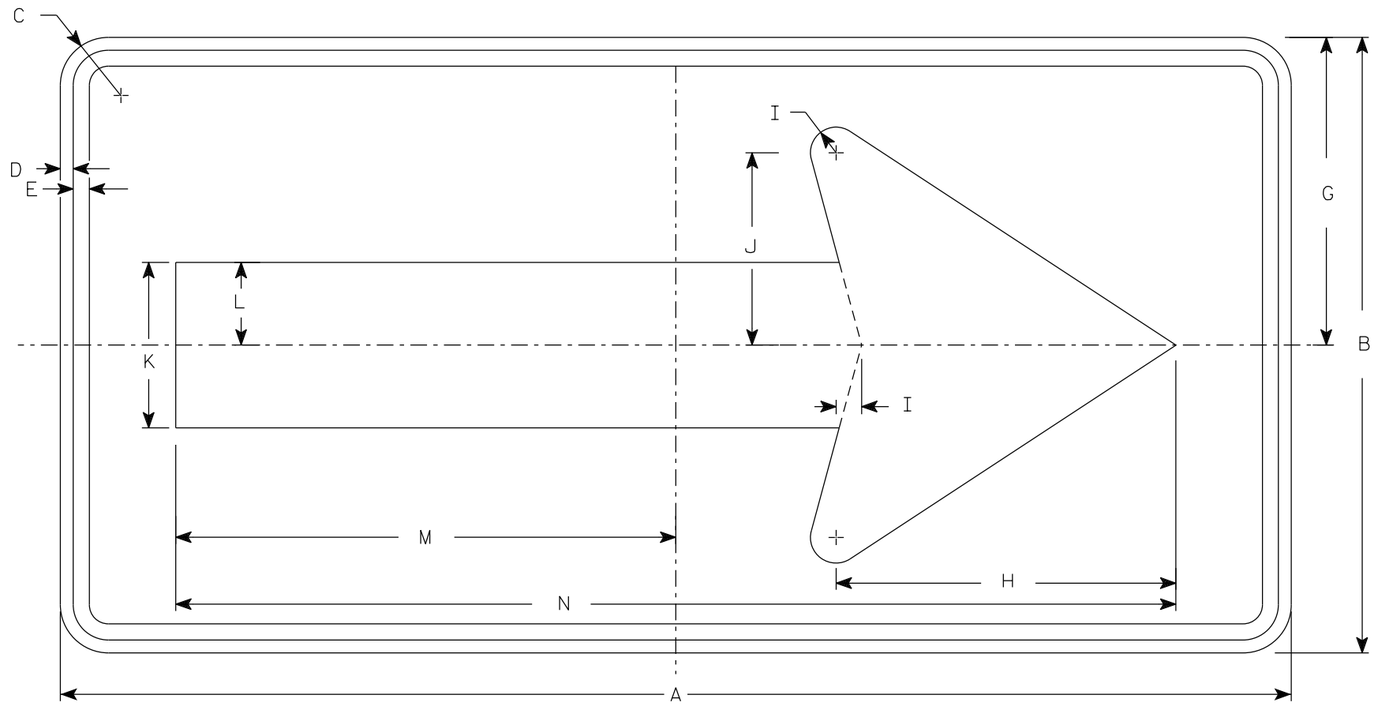
STANDARD SIGN
W01-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/24/2024 PLATE NO. W01-4.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 406 | E



WO1-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

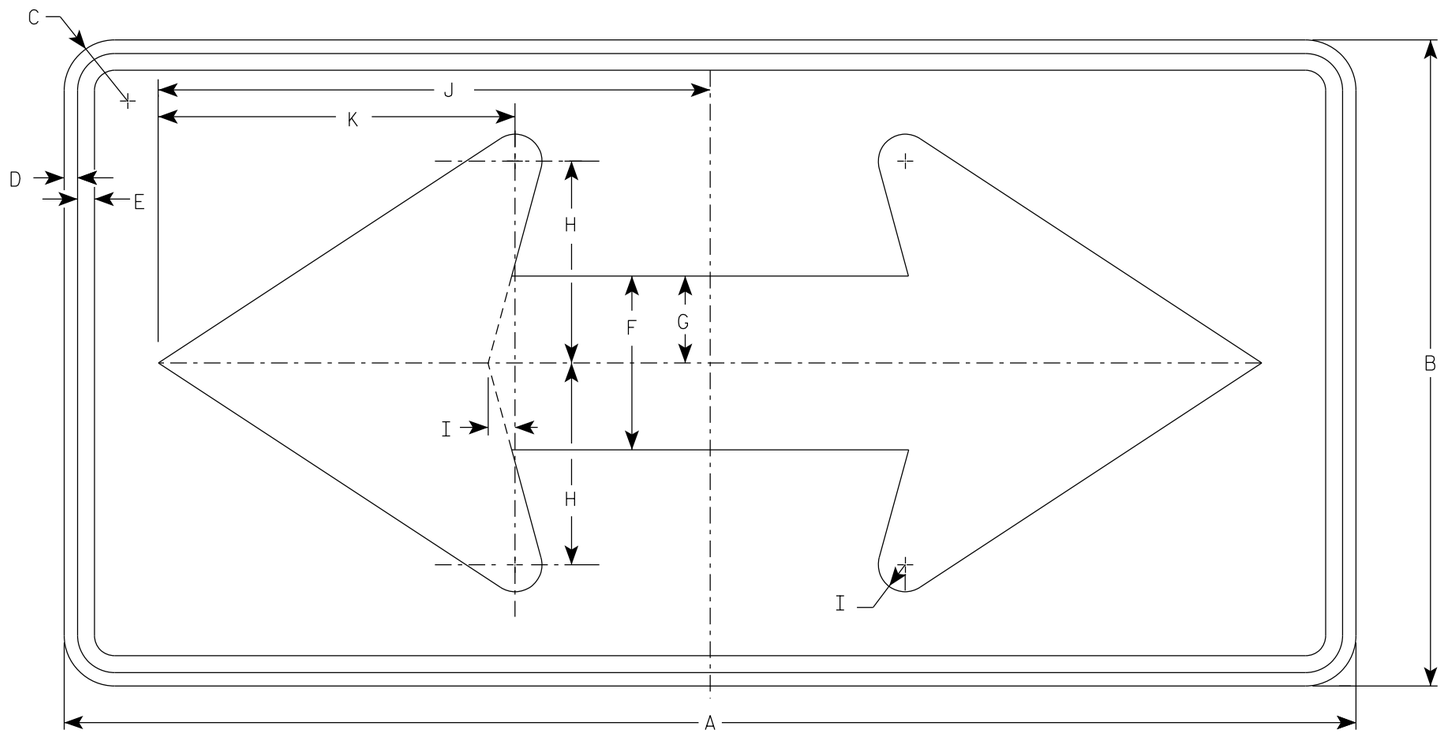
STANDARD SIGN
WO1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. WO1-6.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



W01-7

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 7/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 7/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	60	30	1 7/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5

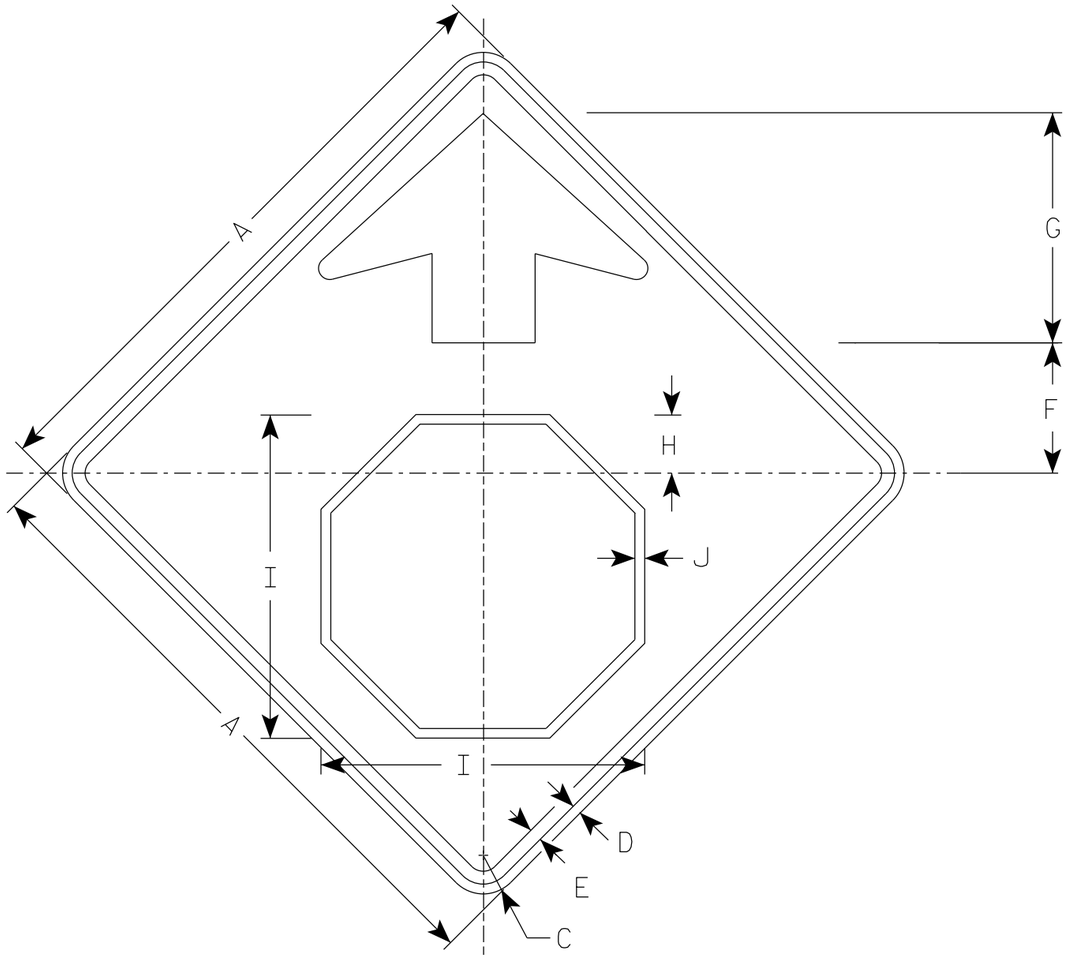
STANDARD SIGN
W01-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W01-7.2

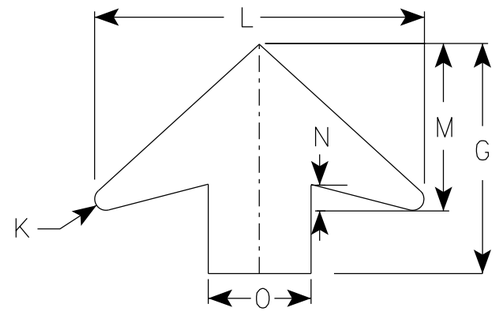
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 408 | E



W03-1

NOTES

1. All Signs Type II - Type F Reflective
2. Color:
   Background - ORANGE
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2S	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
2M	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
3	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
4	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W03-1

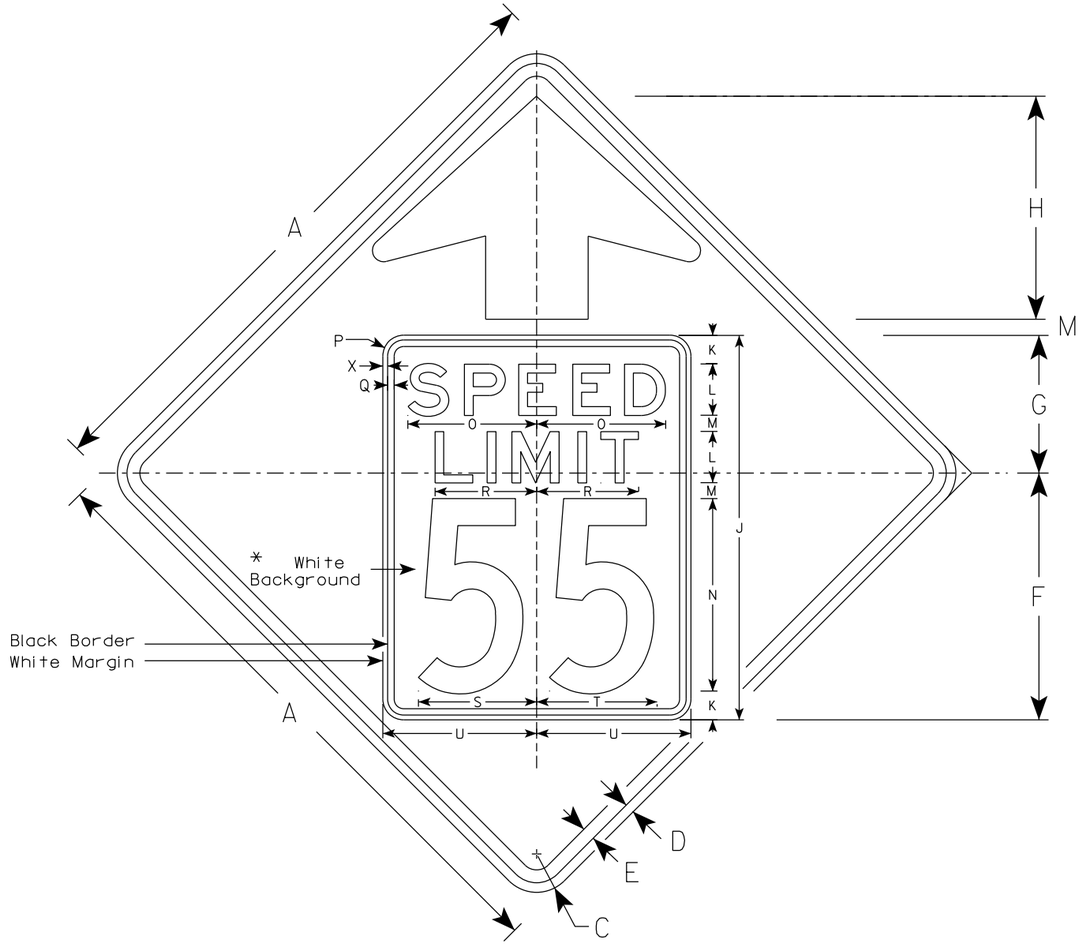
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/24/2024 PLATE NO. W03-1.2

PROJECT NO:

SHEET NO: 409 E

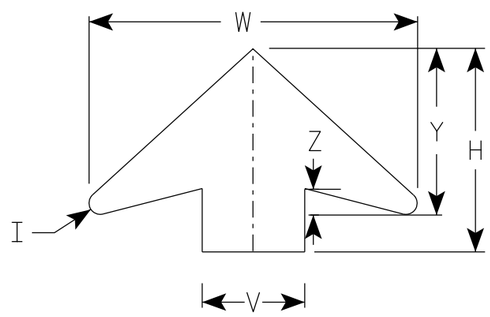


W03-5

NOTES

1. Sign is Type II - Type F Reflective
2. Color: *
   Background - ORANGE*
   Message - BLACK
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2S	48		3	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
2M	48		3	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
3	48		3	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
4	48		3	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		3	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W03-5

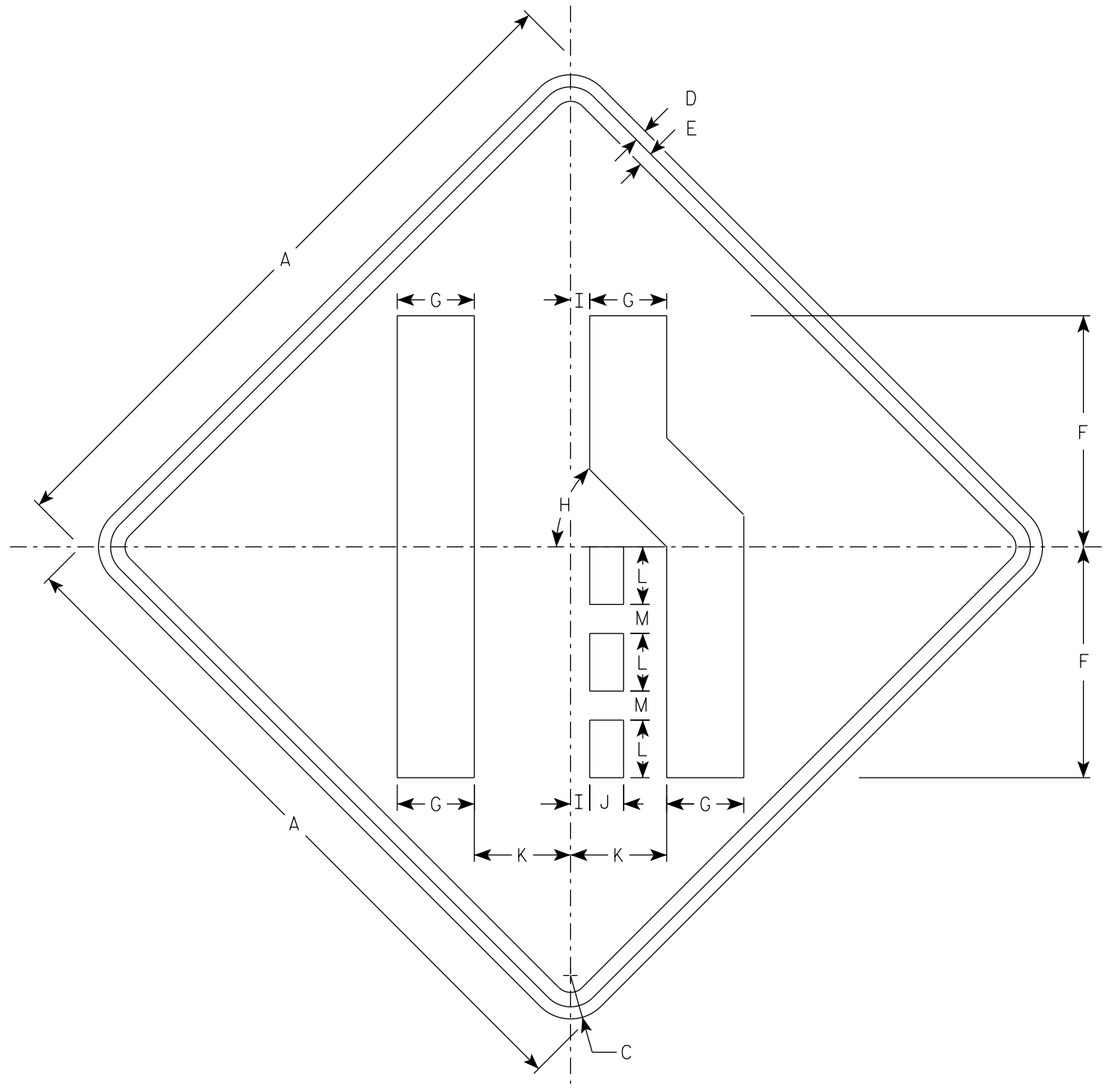
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W03-5.2

PROJECT NO:

SHEET NO: 410 E



W04-2R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W04-2

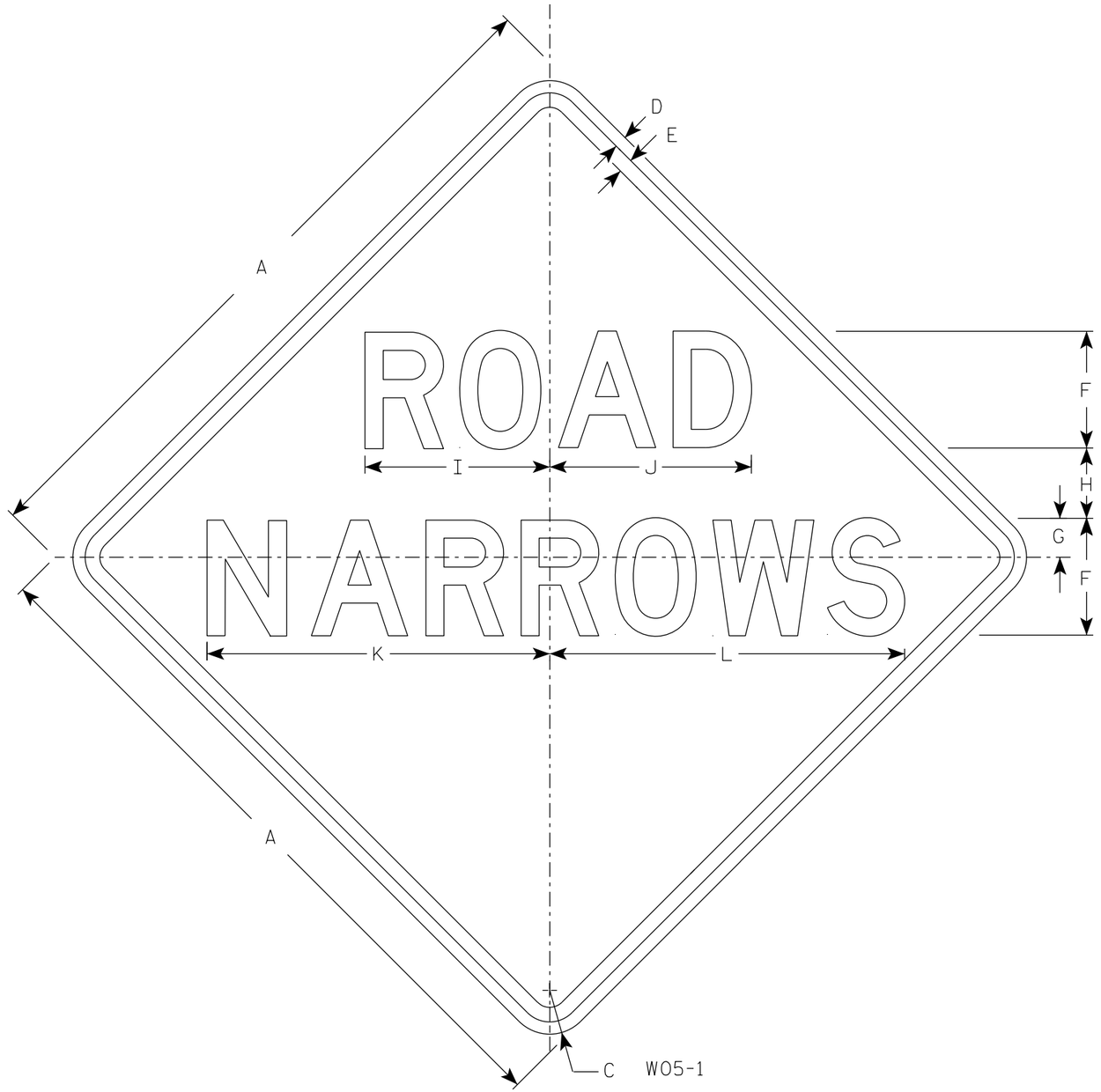
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/2024 PLATE NO. W04-2.2

PROJECT NO:

SHEET NO: 411 E



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	6	2	3 1/2	9 1/2	10 3/8	17 5/8	18 1/4															9.0
2S	48		3	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
2M	48		3	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
3	48		3	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
4	48		3	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
5	48		3	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0

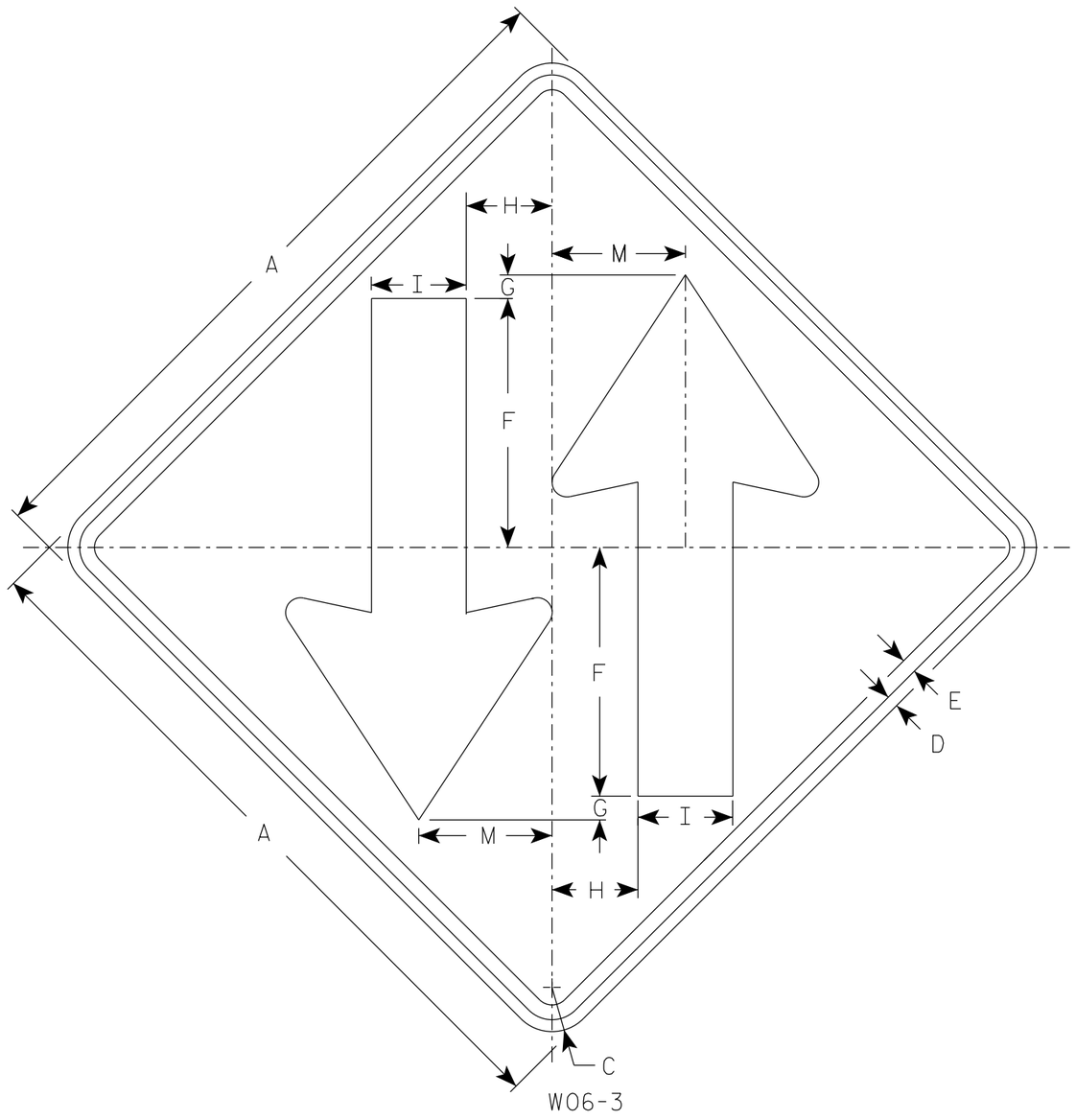
STANDARD SIGN
W05-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/29/2024 PLATE NO. W05-1.2

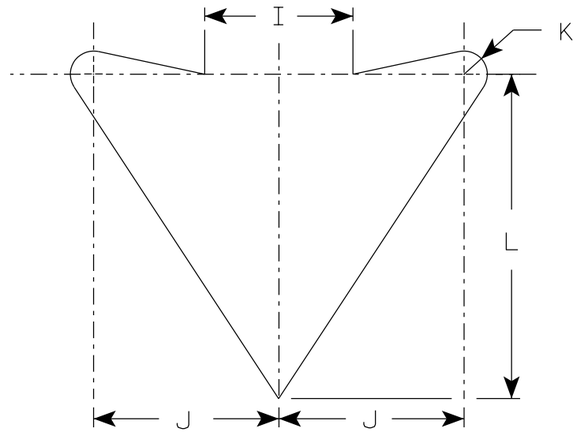
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 412	E



W06-3

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
2S	48		3	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
2M	48		3	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
3	48		3	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
4	48		3	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
5	48		3	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0

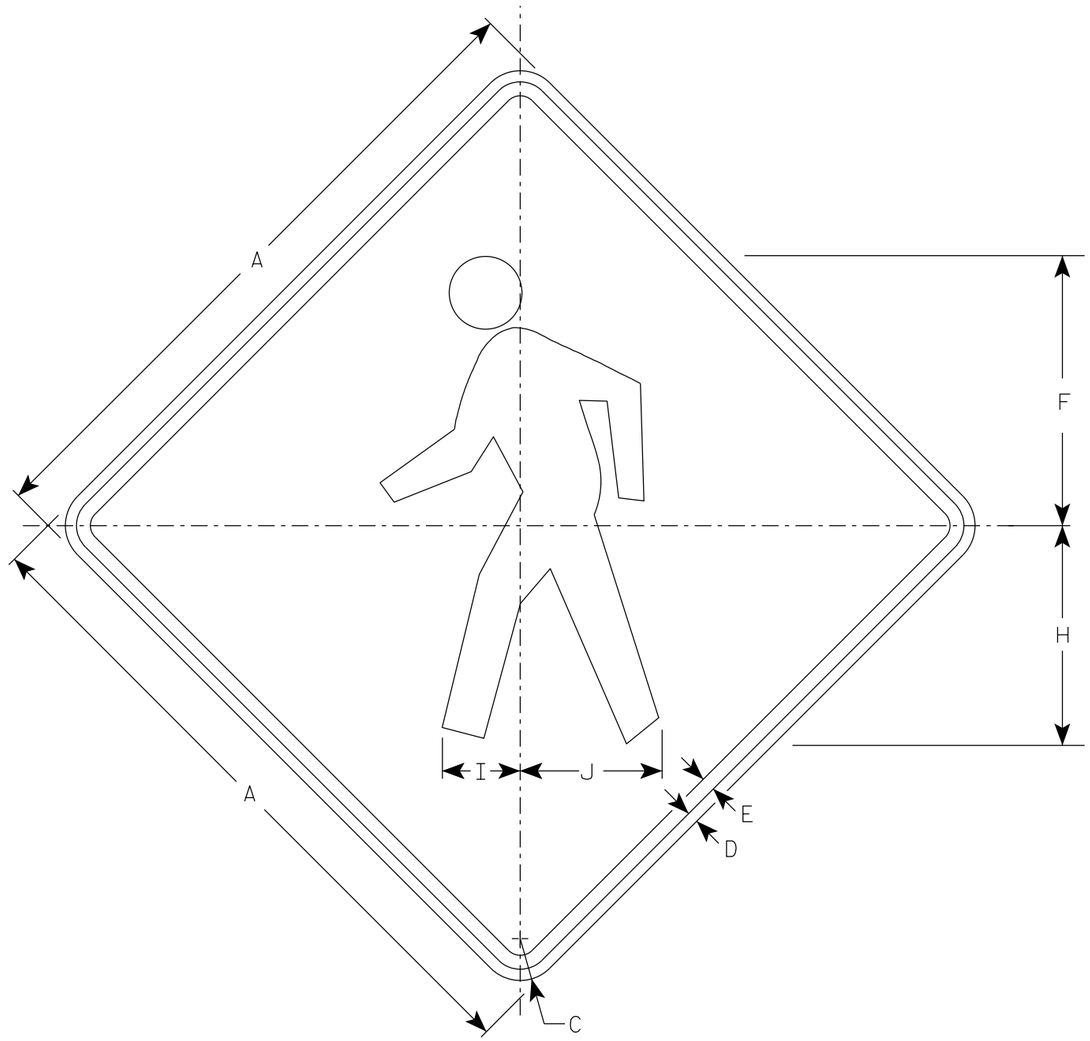
STANDARD SIGN
W06-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/30/2024 PLATE NO. W06-3.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 413 | E



WO11-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
2S	48		3	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
2M	48		3	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
3	48		3	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
4	48		3	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

STANDARD SIGN

WO11-2

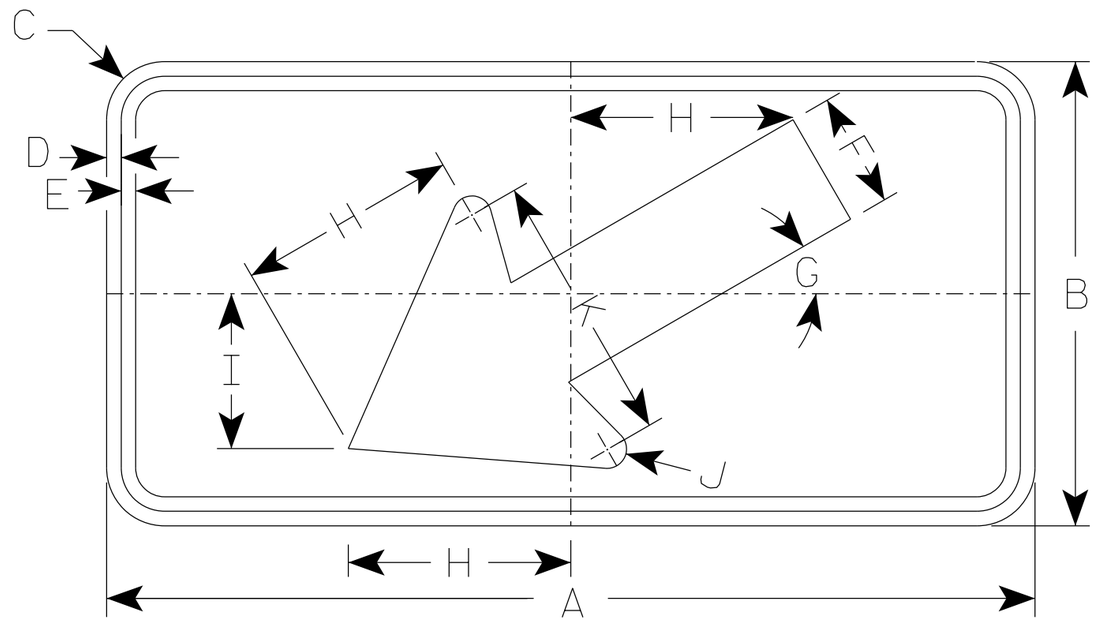
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

For State Traffic Engineer

DATE 2/1/2024 PLATE NO. WO11-2.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 414 | E



W016-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded but corners shall be rounded when base material is metal.
4. W016-7R is the same as W016-L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2S	48	24	1 7/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
2M	48	24	1 7/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
3	48	24	1 7/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
4	48	24	1 7/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5	48	24	1 7/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0

STANDARD SIGN
W016-7

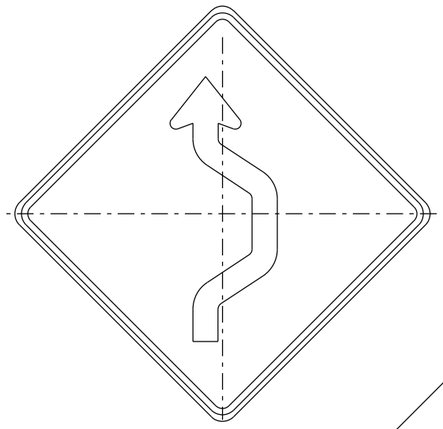
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

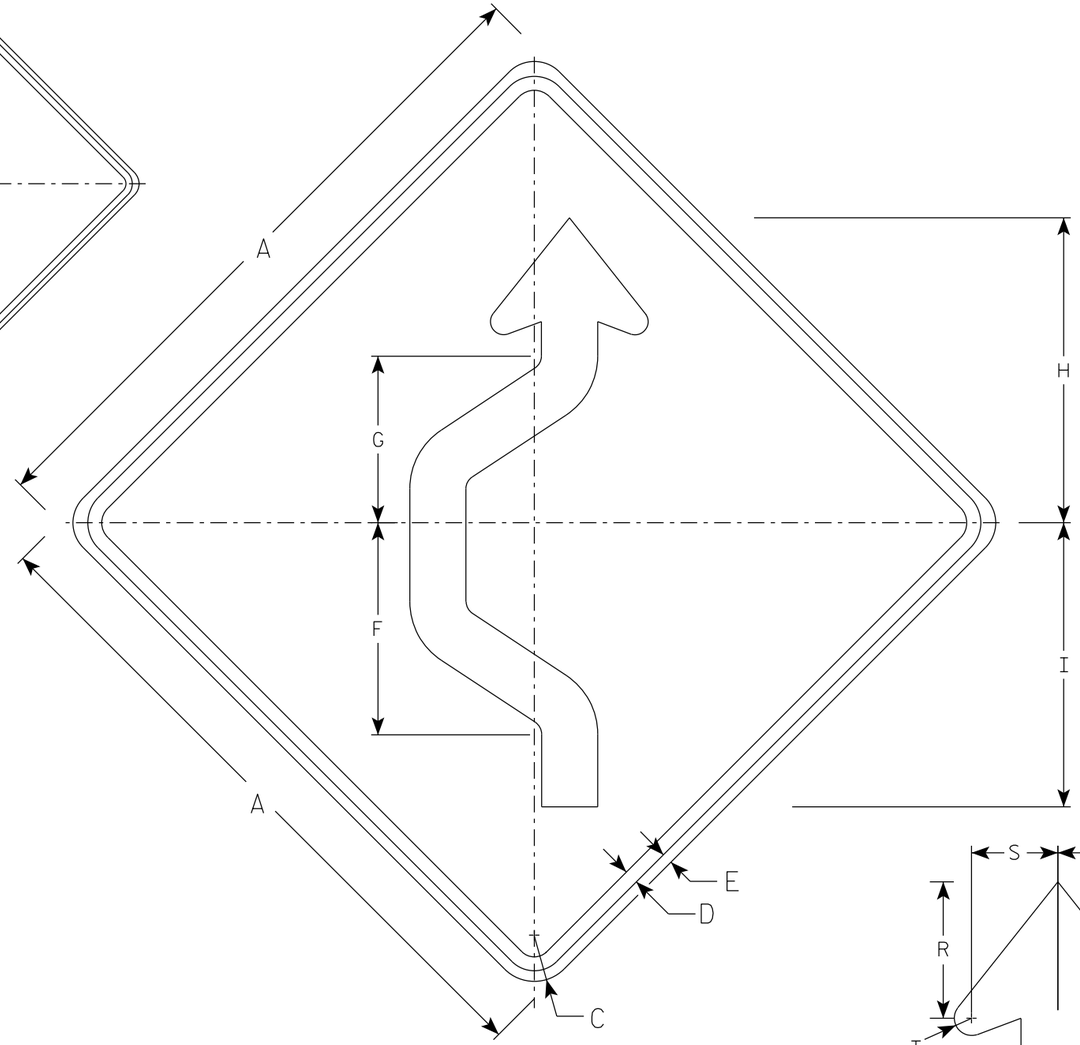
DATE 2/1/2024 PLATE NO. W016-7.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 415	E

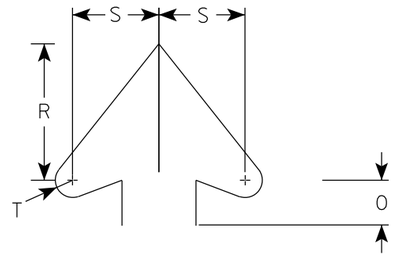
7



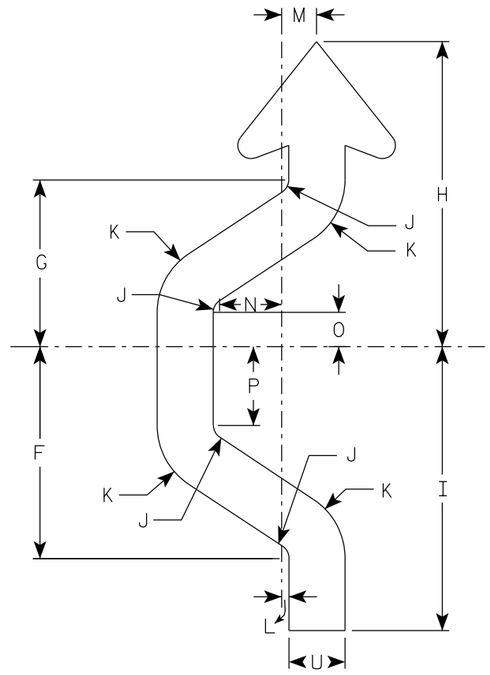
W024-1R



W024-1L



Arrowhead Detail



Arrow Detail

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W024-1R is the same as W024-1L except reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	1/2	11 3/8	8 7/8	16 3/8	15 1/4	3/4	3 3/4	3/8	2	3 3/8	1 7/8	4 1/4		5 1/2	3 1/2	5/8	3						9.0
2S	48		3	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16.0
2M	48		3	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16.0
3	48		3	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16.0
4	48		3	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16.0
5	48		3	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16.0

STANDARD SIGN
W024-1 L & R

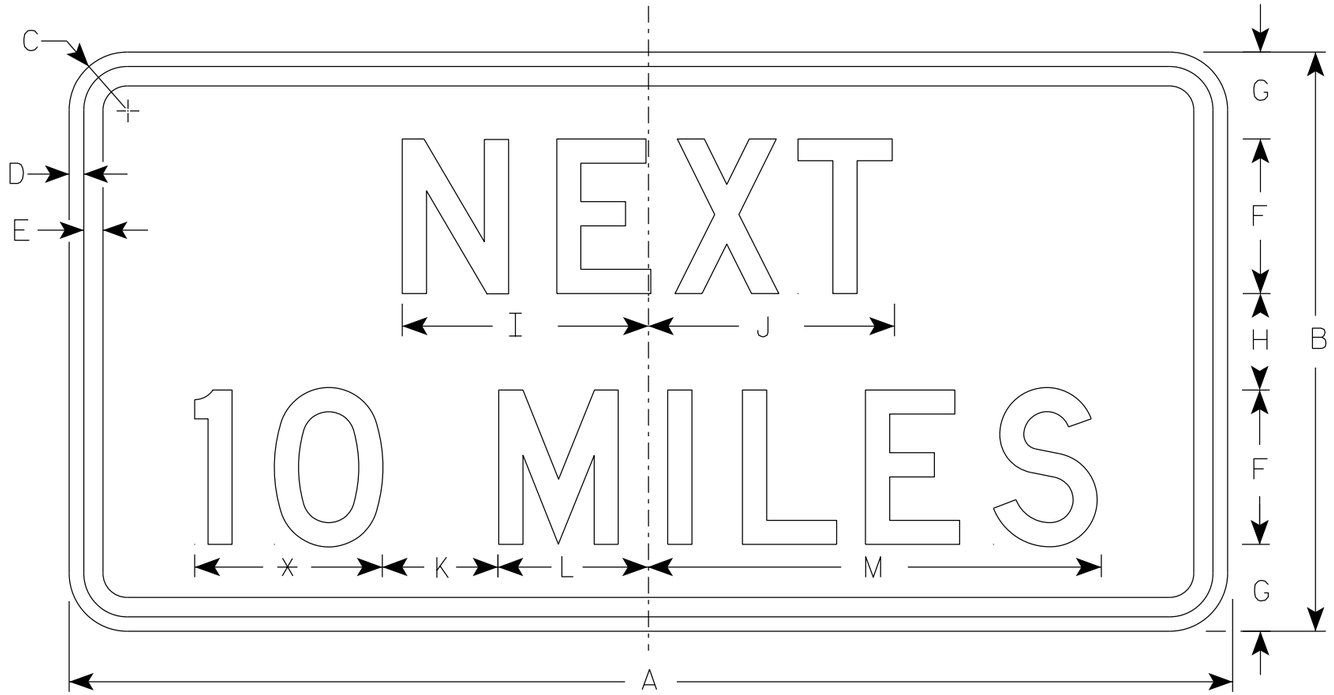
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/2024 PLATE NO. W024-1.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W0241.dgn PLOT DATE : 1-FEB 2024 10:32 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W057-51

* See note 5

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to the nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	1/2	5	2 3/4	2 1/2	7 7/8	8	5	4 1/8	15 3/8														4.5
2S	48	24	1 7/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
2M	48	24	1 7/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
3	48	24	1 7/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
4	48	24	1 7/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
5	48	24	1 7/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0

STANDARD SIGN
W057-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/2024 PLATE NO. W057-51.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 417	E

CULVERT INSTALLATION 1009+12

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
1008+96.60	100896.60	0.00	66.39	30.92	0.00	0	0	0	0	0	0
1009+05.00	100905.00	8.40	69.19	30.92	4.19	21	10	1	21	1	10
1009+12.32	100912.32	7.32	63.79	30.92	27.48	18	8	4	39	6	15
1009+28.50	100928.50	16.18	64.19	30.92	7.55	38	19	10	77	19	21
1009+29.00	100929.00	0.50	4.28	0.00	7.37	1	0	0	78	19	22
1009+35.00	100935.00	6.00	4.75	0.00	6.39	1	0	2	79	21	21
1009+52.50	100952.50	17.50	5.20	0.00	2.65	3	0	3	82	25	20

CULVERT INSTALLATION 1019+52

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
1019+10.00	101910.00	0.00	3.51	0.00	1.97	0	0	0	0	0	0
1019+27.60	101927.60	17.60	3.68	0.00	9.64	2	0	4	2	5	-3
1019+28.10	101928.10	0.50	60.04	30.92	10.05	1	0	0	3	5	-2
1019+47.46	101947.46	19.36	58.75	30.92	51.33	43	22	22	46	33	-9
1019+56.21	101956.21	8.75	60.00	30.92	55.02	19	10	17	65	54	-21
1019+75.20	101975.20	18.99	61.20	30.92	22.83	43	22	27	108	88	-34
1019+75.70	101975.70	0.50	1.87	0.00	22.26	1	0	0	109	88	-33
1020+00.00	102000.00	24.30	2.67	0.00	5.11	2	0	12	111	103	-46
1020+10.00	102010.00	10.00	3.28	0.00	3.50	1	0	2	112	105	-47

CULVERT INSTALLATION 1060+52

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
1060+17.50	106017.50	0.00	6.40	0.00	0.25	0	0	0	0	0	0
1060+25.00	106025.00	7.50	4.93	0.00	1.70	2	0	0	2	0	2
1060+36.40	106036.40	11.40	3.63	0.00	10.85	2	0	3	4	4	0
1060+36.90	106036.90	0.50	64.07	30.92	11.02	1	0	0	5	4	1
1060+51.93	106051.93	15.03	63.42	30.92	19.17	35	17	8	40	14	9
1060+66.60	106066.60	14.67	66.71	30.92	6.29	35	17	7	75	23	19
1060+67.10	106067.10	0.50	5.93	0.00	5.69	1	0	0	76	23	20
1060+75.00	106075.00	7.90	9.95	0.00	0.00	2	0	1	78	24	20

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

9

9

PROJECT NO: 1610-00-77 | HWY: STH 13 | COUNTY: ASHLAND | EARTHWORK DATA | SHEET 418 | E

STAGE 2A - STH 13

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		
1153+48.61	115348.61	0.00	25.27	21.69	0.81	0	0	0	0	0	0
1154+00.00	115400.00	51.39	39.45	21.69	0.00	62	41	1	62	1	20
1154+50.00	115450.00	50.00	30.36	21.69	0.95	65	40	1	127	3	44
1154+55.57	115455.57	5.57	29.36	21.69	1.02	6	4	0	133	3	46
1154+98.30	115498.30	42.73	28.72	21.69	0.00	46	34	1	179	4	56
1155+28.72	115528.72	30.42	29.22	21.69	0.00	33	24	0	212	4	65
1155+50.00	115550.00	21.28	32.87	21.69	0.00	24	17	0	236	4	72
1155+57.80	115557.80	7.80	35.70	21.69	0.00	10	6	0	246	4	76
1155+84.04	115584.04	26.24	29.17	21.69	0.78	32	21	0	278	4	87
1155+92.50	115592.50	8.46	35.79	21.69	0.65	10	7	0	288	4	90
1156+00.00	115600.00	7.50	30.84	21.69	0.17	9	6	0	297	4	93
1156+00.88	115600.88	0.88	29.83	21.69	0.25	1	1	0	298	4	93
1156+50.00	115650.00	49.12	74.06	21.69	0.18	95	39	0	393	4	149
1156+56.04	115656.04	6.04	28.49	21.69	0.07	11	5	0	404	4	155
1157+00.00	115700.00	43.96	42.05	21.69	0.00	57	35	0	461	4	177
1157+22.36	115722.36	22.36	30.25	21.69	0.12	30	18	0	491	4	189
1157+27.29	115727.29	4.93	30.73	21.69	0.25	6	4	0	497	4	191
1157+50.00	115750.00	22.71	40.21	21.69	0.00	30	18	0	527	4	203
1157+67.55	115767.55	17.55	42.85	21.69	0.00	27	14	0	554	4	216
1157+77.40	115777.40	9.85	43.50	21.69	0.00	16	8	0	570	4	224
1158+07.29	115807.29	29.89	30.36	21.69	0.00	41	24	0	611	4	241
1158+09.62	115809.62	2.33	29.48	21.69	0.00	3	2	0	614	4	242
1158+50.00	115850.00	40.38	28.95	21.69	0.47	44	32	0	658	4	254
1159+00.00	115900.00	50.00	24.92	21.69	0.47	50	40	1	708	5	263
1159+01.45	115901.45	1.45	24.85	21.69	0.43	1	1	0	709	5	263
1159+10.93	115910.93	9.48	24.38	21.69	0.29	9	8	0	718	5	264
1159+37.50	115937.50	26.57	23.18	21.69	0.28	23	21	0	741	5	266
1159+50.00	115950.00	12.50	23.33	21.69	0.31	11	10	0	752	5	267
1159+73.45	115973.45	23.45	22.97	21.69	0.49	20	19	0	772	5	268
1159+82.84	115982.84	9.39	22.42	21.69	0.62	8	8	0	780	5	268
1160+00.00	116000.00	17.16	21.02	21.69	0.94	14	14	0	794	5	268
1160+50.00	116050.00	50.00	23.63	21.69	0.30	41	40	1	835	6	268
1161+00.00	116100.00	50.00	27.02	21.69	0.01	47	40	0	882	6	275
1161+26.45	116126.45	26.45	33.11	21.69	0.11	29	21	0	911	6	283
1161+50.00	116150.00	23.55	63.72	21.69	0.00	42	19	0	953	6	306
1161+65.48	116165.48	15.48	46.62	21.69	0.00	32	12	0	985	6	326
1162+00.00	116200.00	34.52	31.20	21.69	0.68	50	28	0	1,035	6	348
1162+05.45	116205.45	5.45	28.74	21.69	0.29	6	4	0	1,041	6	350
1162+50.00	116250.00	44.55	26.95	21.69	0.66	46	36	1	1,087	8	359
1162+89.69	116289.69	39.69	27.77	21.69	0.00	40	32	0	1,127	8	367
1162+98.40	116298.40	8.71	26.06	21.69	0.00	9	7	0	1,136	8	369
1163+00.00	116300.00	1.60	25.75	21.69	0.00	2	1	0	1,138	8	370
1163+04.10	116304.10	4.10	26.49	21.69	0.00	4	3	0	1,142	8	371
1163+46.50	116346.50	42.40	40.48	21.69	0.00	53	34	0	1,195	8	390
1163+50.00	116350.00	3.50	40.98	21.69	0.00	5	3	0	1,200	8	392
1163+61.69	116361.69	11.69	27.42	21.69	0.62	15	9	0	1,215	8	398
1164+00.00	116400.00	38.31	32.23	21.69	0.24	42	31	1	1,257	9	407
1164+25.00	116425.00	25.00	31.68	21.69	0.21	30	20	0	1,287	9	417
1164+50.00	116450.00	25.00	28.80	21.69	0.78	28	20	0	1,315	9	425
1164+55.98	116455.98	5.98	30.44	21.69	0.21	7	5	0	1,322	9	427

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

9

9

PROJECT NO: 1610-00-77 | HWY: STH 13 | COUNTY: ASHLAND | EARTHWORK DATA | SHEET 419 | E

STAGE 2A - STH 13

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
1164+98.33	116498.33	42.35	36.83	21.69	0.00	53	34	0	1,375	9	446
1165+00.00	116500.00	1.67	37.08	21.69	0.00	2	1	0	1,377	9	447
1165+39.98	116539.98	39.98	30.36	21.69	0.23	50	32	0	1,427	9	465
1165+45.72	116545.72	5.74	29.67	21.69	0.00	6	5	0	1,433	9	466
1165+50.00	116550.00	4.28	31.68	21.69	0.00	5	3	0	1,438	9	468
1166+00.00	116600.00	50.00	38.55	21.69	0.00	65	40	0	1,503	9	493
1166+03.00	116603.00	3.00	38.35	21.69	0.00	4	2	0	1,507	9	495
1166+36.32	116636.32	33.32	31.22	21.69	0.00	43	27	0	1,550	9	511
1166+50.00	116650.00	13.68	30.77	21.69	0.00	16	11	0	1,566	9	516
1166+50.66	116650.66	0.66	30.75	21.69	0.00	1	1	0	1,567	9	516
1167+00.00	116700.00	49.34	30.82	21.69	0.00	56	40	0	1,623	9	532
1167+08.32	116708.32	8.32	34.19	21.69	0.00	10	7	0	1,633	9	535
1167+16.90	116716.90	8.58	34.19	21.69	0.00	11	7	0	1,644	9	539
1167+22.66	116722.66	5.76	33.99	21.69	0.00	7	5	0	1,651	9	541
1167+50.00	116750.00	27.34	27.07	24.72	0.06	31	23	0	1,682	9	549
1167+75.00	116775.00	25.00	27.26	24.72	0.05	25	23	0	1,707	9	551
1168+00.00	116800.00	25.00	25.28	24.72	1.39	24	23	1	1,731	10	551
1168+21.72	116821.72	21.72	25.35	24.72	1.00	20	20	1	1,751	11	550
1168+50.00	116850.00	28.28	37.61	24.72	0.00	33	26	1	1,784	13	556
1168+64.65	116864.65	14.65	35.95	24.72	0.00	20	13	0	1,804	13	563
1169+00.00	116900.00	35.35	27.68	24.72	0.99	42	32	1	1,846	14	571
1169+07.57	116907.57	7.57	23.65	24.72	0.50	7	7	0	1,853	14	571
1169+17.74	116917.74	10.17	19.48	24.72	0.85	8	9	0	1,861	14	570
1169+50.00	116950.00	32.26	22.96	24.72	0.26	25	30	1	1,886	15	564
1169+73.88	116973.88	23.88	23.07	24.72	0.16	20	22	0	1,906	15	562
1169+97.30	116997.30	23.42	23.46	24.72	0.10	20	21	0	1,926	15	561
1170+00.00	117000.00	2.70	23.43	24.72	0.11	2	2	0	1,928	15	561
1170+12.80	117012.80	12.80	23.33	24.72	0.06	11	12	0	1,939	15	560
1170+42.20	117042.20	29.40	30.33	24.72	0.00	29	27	0	1,968	15	562
1170+45.30	117045.30	3.10	30.26	24.72	0.00	3	3	0	1,971	15	562
1170+50.00	117050.00	4.70	30.05	24.72	0.00	5	4	0	1,976	15	563
1170+75.00	117075.00	25.00	23.70	24.72	0.41	25	23	0	2,001	15	565
1171+00.00	117100.00	25.00	24.07	24.72	0.07	22	23	0	2,023	15	564
1171+19.34	117119.34	19.34	24.42	24.72	0.02	17	18	0	2,040	15	563
1171+30.26	117130.26	10.92	25.19	24.72	0.00	10	10	0	2,050	15	563
1171+45.70	117145.70	15.44	26.64	24.72	0.00	15	14	0	2,065	15	564
1171+50.00	117150.00	4.30	27.15	24.72	0.00	4	4	0	2,069	15	564
1171+66.91	117166.91	16.91	28.64	24.72	0.00	17	15	0	2,086	15	566
1171+79.42	117179.42	12.51	32.71	24.72	0.00	14	11	0	2,100	15	569
1171+97.86	117197.86	18.44	53.77	24.72	0.00	30	17	0	2,130	15	582

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

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PROJECT NO: 1610-00-77 | HWY: STH 13 | COUNTY: ASHLAND | EARTHWORK DATA | SHEET 420 | E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090101-EW-STH13.DWG
LAYOUT NAME - 03

PLOT DATE : 4/25/2024 3:38 PM PLOT BY : P_LANCOUR PLOT NAME : PLOT SCALE : 1" = 1'

STAGE 2A - 6TH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
9+30.58	930.58	0.00	49.62	0.00	0.27	0	0	0	0	0	0
9+50.00	950.00	19.42	59.14	0.00	0.22	39	0	0	39	0	39

STAGE 2A - 5TH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
9+37.51	937.51	0.00	44.29	0.00	0.00	0	0	0	0	0	0
9+49.22	949.22	11.71	50.41	0.00	0.27	21	0	0	21	0	21

STAGE 2A - DEPOT

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
9+28.48	928.48	0.00	38.08	0.00	0.00	0	0	0	0	0	0
9+50.00	950.00	21.52	42.71	0.00	0.36	32	0	0	32	0	32

STAGE 2A - 3RD

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
9+38.99	938.99	0.00	49.93	0.00	0.14	0	0	0	0	0	0
9+60.00	960.00	21.01	64.32	0.00	0.30	44	0	0	44	0	44

STAGE 2A - MAIN

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
9+38.43	938.43	0.00	45.42	0.00	0.00	0	0	0	0	0	0
9+50.00	950.00	11.57	43.19	0.00	0.44	19	0	0	19	0	19

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

STAGE 2B - STH 13

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
1153+48.61	115348.61	0.00	22.18	21.69	0.71	0	0	0	0	0	0
1154+00.00	115400.00	51.39	35.50	21.69	0.00	55	41	1	55	1	13
1154+50.00	115450.00	50.00	28.46	21.69	0.17	59	40	0	114	1	32
1154+55.57	115455.57	5.57	27.30	21.69	0.67	6	4	0	120	1	34
1154+98.30	115498.30	42.73	29.48	21.69	0.00	45	34	1	165	3	44
1155+28.72	115528.72	30.42	25.58	21.69	0.24	31	24	0	196	3	51
1155+50.00	115550.00	21.28	35.20	21.69	0.00	24	17	0	220	3	58
1155+57.80	115557.80	7.80	35.95	21.69	0.00	10	6	0	230	3	62
1155+84.04	115584.04	26.24	30.55	21.69	0.28	32	21	0	262	3	73
1155+92.50	115592.50	8.46	29.49	21.69	0.67	9	7	0	271	3	75
1156+00.00	115600.00	7.50	30.39	21.69	0.20	8	6	0	279	3	77
1156+00.88	115600.88	0.88	30.05	21.69	0.29	1	1	0	280	3	77
1156+50.00	115650.00	49.12	27.26	21.69	0.32	52	39	1	332	4	88
1156+56.04	115656.04	6.04	27.64	21.69	0.25	6	5	0	338	4	89
1157+00.00	115700.00	43.96	28.58	21.69	0.00	46	35	0	384	4	100
1157+22.36	115722.36	22.36	30.86	21.69	0.00	25	18	0	409	4	107
1157+27.29	115727.29	4.93	31.20	21.69	0.00	6	4	0	415	4	109
1157+50.00	115750.00	22.71	49.76	21.69	0.00	34	18	0	449	4	125
1157+67.55	115767.55	17.55	49.42	21.69	0.00	32	14	0	481	4	143
1157+77.40	115777.40	9.85	41.59	21.69	0.00	17	8	0	498	4	152
1158+07.29	115807.29	29.89	32.04	21.69	0.00	41	24	0	539	4	169
1158+09.62	115809.62	2.33	32.02	21.69	0.00	3	2	0	542	4	170
1158+50.00	115850.00	40.38	30.54	21.69	0.00	47	32	0	589	4	185
1159+00.00	115900.00	50.00	26.81	21.69	0.19	53	40	0	642	4	198
1159+01.45	115901.45	1.45	26.79	21.69	0.19	1	1	0	643	4	198
1159+10.93	115910.93	9.48	26.62	21.69	0.22	9	8	0	652	4	199
1159+37.50	115937.50	26.57	41.28	21.69	0.00	33	21	0	685	4	211
1159+50.00	115950.00	12.50	42.12	21.69	0.00	19	10	0	704	4	220
1159+73.45	115973.45	23.45	27.81	21.69	0.31	30	19	0	734	4	231
1159+82.93	115982.93	9.48	27.66	21.69	0.33	10	8	0	744	4	233
1160+00.00	116000.00	17.07	27.09	21.69	0.48	17	14	0	761	4	236
1160+50.00	116050.00	50.00	26.80	21.69	0.57	50	40	1	811	5	245
1161+00.00	116100.00	50.00	26.90	21.69	0.72	50	40	1	861	6	254
1161+26.45	116126.45	26.45	27.22	21.69	0.40	27	21	1	888	8	259
1161+50.00	116150.00	23.55	28.80	21.69	0.00	24	19	0	912	8	264
1161+65.48	116165.48	15.48	35.74	21.69	0.00	19	12	0	931	8	271
1162+00.00	116200.00	34.52	29.95	21.69	0.00	42	28	0	973	8	285
1162+05.45	116205.45	5.45	30.13	21.69	0.00	6	4	0	979	8	287
1162+50.00	116250.00	44.55	32.57	21.69	0.00	52	36	0	1,031	8	303
1162+89.69	116289.69	39.69	31.08	21.69	0.00	47	32	0	1,078	8	318
1162+98.40	116298.40	8.71	33.01	21.69	0.00	10	7	0	1,088	8	321
1163+00.00	116300.00	1.60	32.76	21.69	0.00	2	1	0	1,090	8	322
1163+04.10	116304.10	4.10	32.94	21.69	0.00	5	3	0	1,095	8	324
1163+46.50	116346.50	42.40	32.32	21.69	0.00	51	34	0	1,146	8	341
1163+50.00	116350.00	3.50	32.89	21.69	0.00	4	3	0	1,150	8	342
1163+61.69	116361.69	11.69	34.44	21.69	0.00	15	9	0	1,165	8	348
1164+00.00	116400.00	38.31	37.04	21.69	0.00	51	31	0	1,216	8	368
1164+25.00	116425.00	25.00	33.98	21.69	0.00	33	20	0	1,249	8	381
1164+50.00	116450.00	25.00	29.63	21.69	0.38	29	20	0	1,278	8	390
1164+55.98	116455.98	5.98	31.73	21.69	0.00	7	5	0	1,285	8	392

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

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PROJECT NO: 1610-00-77 | HWY: STH 13 | COUNTY: ASHLAND | EARTHWORK DATA | SHEET 422 | E

STAGE 2B - STH 13

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
1164+98.33	116498.33	42.35	45.82	21.69	0.00	61	34	0	1,346	8	419
1165+00.00	116500.00	1.67	46.14	21.69	0.00	3	1	0	1,349	8	421
1165+39.98	116539.98	39.98	33.86	21.69	0.01	59	32	0	1,408	8	448
1165+45.72	116545.72	5.74	31.07	21.69	0.04	7	5	0	1,415	8	450
1165+50.00	116550.00	4.28	28.78	21.69	0.04	5	3	0	1,420	8	452
1166+00.00	116600.00	50.00	33.37	21.69	0.00	58	40	0	1,478	8	470
1166+03.00	116603.00	3.00	33.27	21.69	0.00	4	2	0	1,482	8	472
1166+36.32	116636.32	33.32	32.44	21.69	0.17	41	27	0	1,523	8	486
1166+50.00	116650.00	13.68	32.05	21.69	0.22	16	11	0	1,539	8	491
1166+50.66	116650.66	0.66	32.03	21.69	0.22	1	1	0	1,540	8	491
1167+00.00	116700.00	49.34	35.14	21.69	0.00	61	40	0	1,601	8	512
1167+08.32	116708.32	8.32	33.79	21.69	0.00	11	7	0	1,612	8	516
1167+16.90	116716.90	8.58	32.96	21.69	0.00	11	7	0	1,623	8	520
1167+22.66	116722.66	5.76	27.13	21.69	0.00	6	5	0	1,629	8	521
1167+50.00	116750.00	27.34	25.98	24.72	0.24	27	23	0	1,656	8	525
1167+75.00	116775.00	25.00	26.34	24.72	0.19	24	23	0	1,680	8	526
1168+00.00	116800.00	25.00	25.14	24.72	0.36	24	23	0	1,704	8	527
1168+21.72	116821.72	21.72	28.50	24.72	0.41	22	20	0	1,726	8	529
1168+50.00	116850.00	28.28	38.89	24.72	0.00	35	26	0	1,761	8	538
1168+64.65	116864.65	14.65	33.79	24.72	0.00	20	13	0	1,781	8	545
1169+00.00	116900.00	35.35	25.23	24.72	0.09	39	32	0	1,820	8	552
1169+07.57	116907.57	7.57	23.86	24.72	0.08	7	7	0	1,827	8	552
1169+17.74	116917.74	10.17	15.56	24.72	1.64	7	9	0	1,834	8	550
1169+50.00	116950.00	32.26	20.11	24.72	1.00	21	30	2	1,855	10	538
1169+73.88	116973.88	23.88	22.35	24.72	0.89	19	22	1	1,874	11	534
1169+97.30	116997.30	23.42	30.70	24.72	0.00	23	21	0	1,897	11	536
1170+00.00	117000.00	2.70	30.83	24.72	0.00	3	2	0	1,900	11	537
1170+12.80	117012.80	12.80	31.18	24.72	0.00	15	12	0	1,915	11	540
1170+42.20	117042.20	29.40	24.87	24.72	0.01	31	27	0	1,946	11	544
1170+45.30	117045.30	3.10	24.77	24.72	0.01	3	3	0	1,949	11	544
1170+50.00	117050.00	4.70	24.59	24.72	0.01	4	4	0	1,953	11	544
1170+75.00	117075.00	25.00	24.09	24.72	0.01	23	23	0	1,976	11	544
1171+00.00	117100.00	25.00	24.67	24.72	0.01	23	23	0	1,999	11	544
1171+19.34	117119.34	19.34	24.63	24.72	0.66	18	18	0	2,017	11	544
1171+30.26	117130.26	10.92	25.21	24.72	0.00	10	10	0	2,027	11	544
1171+45.70	117145.70	15.44	29.89	24.72	0.00	16	14	0	2,043	11	546
1171+50.00	117150.00	4.30	29.56	24.72	0.00	5	4	0	2,048	11	547
1171+66.91	117166.91	16.91	28.58	24.72	0.00	18	15	0	2,066	11	550
1171+79.42	117179.42	12.51	28.58	24.72	0.60	13	11	0	2,079	11	552
1171+97.86	117197.86	18.44	28.58	24.72	0.00	20	17	0	2,099	11	555

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

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PROJECT NO: 1610-00-77 | HWY: STH 13 | COUNTY: ASHLAND | EARTHWORK DATA | SHEET 423 | E

STAGE 2B - 6TH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+50.00	1050.00	0.00	77.58	0.00	0.00	0	0	0	0	0	0
10+81.73	1081.73	31.73	55.26	0.00	0.00	78	0	0	78	0	78

STAGE 2B - 5TH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+50.00	1050.00	0.00	34.80	0.00	0.18	0	0	0	0	0	0
10+61.30	1061.30	11.30	38.93	0.00	0.03	15	0	0	15	0	15

STAGE 2B - 3RD

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+50.00	1050.00	0.00	58.57	0.00	0.22	0	0	0	0	0	0
10+80.00	1080.00	30.00	51.62	0.00	0.00	61	0	0	61	0	61

STAGE 2B - MAIN

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+50.00	1050.00	0.00	54.86	0.00	0.16	0	0	0	0	0	0
10+70.28	1070.28	20.28	45.86	0.00	0.05	38	0	0	38	0	38

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

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PROJECT NO: 1610-00-77 | HWY: STH 13 | COUNTY: ASHLAND | EARTHWORK DATA | SHEET 424 | E

STAGE 3 - STH 13

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
1116+45.46	111645.46	0.00	66.38	21.26	0.00	0	0	0	0	0	0
1116+50.00	111650.00	4.54	65.71	21.26	0.00	11	4	0	11	0	7
1116+55.46	111655.46	5.46	71.39	21.26	2.50	14	4	0	25	0	17
1116+94.24	111694.24	38.78	101.36	21.26	0.14	124	31	2	149	3	108
1117+00.00	111700.00	5.76	101.91	21.26	0.00	22	5	0	171	3	125
1117+37.67	111737.67	37.67	102.57	21.26	0.00	143	30	0	314	3	238
1117+50.00	111750.00	12.33	102.77	21.26	0.00	47	10	0	361	3	275
1117+77.12	111777.12	27.12	103.57	21.26	0.00	104	21	0	465	3	358
1118+00.00	111800.00	22.88	80.39	21.26	0.00	78	18	0	543	3	418
1118+18.92	111818.92	18.92	68.50	21.26	0.01	52	15	0	595	3	455
1118+50.00	111850.00	31.08	49.51	21.26	4.30	68	24	2	663	5	496
1118+71.89	111871.89	21.89	42.29	21.26	5.95	37	17	4	700	10	511
1119+00.00	111900.00	28.11	41.52	21.26	6.72	44	22	7	744	19	524
1119+50.00	111950.00	50.00	41.42	21.26	9.39	77	39	15	821	38	544
1120+00.00	112000.00	50.00	42.08	21.26	9.29	77	39	17	898	59	560
1120+50.00	112050.00	50.00	43.21	21.26	6.23	79	39	14	977	76	583
1121+00.00	112100.00	50.00	42.29	21.26	6.91	79	39	12	1,056	91	608
1121+50.00	112150.00	50.00	41.81	21.26	8.31	78	39	14	1,134	109	629
1121+63.79	112163.79	13.79	47.64	21.26	5.12	23	11	3	1,157	113	638
1121+79.99	112179.99	16.20	62.76	21.26	1.06	33	13	2	1,190	115	655
1122+00.00	112200.00	20.01	72.56	21.26	0.00	50	16	0	1,240	115	689
1122+00.80	112200.80	0.80	72.59	21.26	0.00	2	1	0	1,242	115	690
1122+37.50	112237.50	36.70	45.91	20.90	2.37	81	29	2	1,323	118	740
1122+50.00	112250.00	12.50	45.61	20.90	3.95	21	10	1	1,344	119	749
1123+00.00	112300.00	50.00	45.13	20.90	4.10	84	39	7	1,428	128	786
1123+50.00	112350.00	50.00	45.14	20.90	4.20	84	39	8	1,512	138	821
1124+00.00	112400.00	50.00	46.65	20.90	4.24	85	39	8	1,597	148	857
1124+25.59	112425.59	25.59	57.55	20.90	4.62	49	20	4	1,646	153	881
1124+50.00	112450.00	24.41	50.12	20.90	4.01	49	19	4	1,695	158	906
1124+79.49	112479.49	29.49	56.55	20.90	2.80	58	23	4	1,753	163	936
1125+00.00	112500.00	20.51	59.98	20.90	1.92	44	16	2	1,797	165	961
1125+05.00	112505.00	5.00	60.04	20.90	1.83	11	4	0	1,808	165	968
1125+30.00	112530.00	25.00	59.71	20.90	1.49	55	19	2	1,863	168	1,002
1125+31.10	112531.10	1.10	59.63	20.90	1.48	2	1	0	1,865	168	1,003
1125+50.00	112550.00	18.90	50.43	20.90	1.56	39	15	1	1,904	169	1,025
1125+55.00	112555.00	5.00	50.40	20.90	1.56	9	4	0	1,913	169	1,030
1125+56.10	112556.10	1.10	50.27	20.90	1.57	2	1	0	1,915	169	1,031
1125+81.10	112581.10	25.00	53.74	20.90	1.23	48	19	1	1,963	170	1,059
1126+00.00	112600.00	18.90	57.45	20.90	2.00	39	15	1	2,002	171	1,082
1126+37.11	112637.11	37.11	63.27	12.51	1.37	83	23	2	2,085	174	1,139
1126+50.00	112650.00	12.89	65.40	12.51	0.86	31	6	1	2,116	175	1,163
1127+00.00	112700.00	50.00	72.73	12.51	0.00	128	23	1	2,244	176	1,267
1127+11.20	112711.20	11.20	75.09	12.51	0.00	31	5	0	2,275	176	1,293
1127+12.30	112712.30	1.10	75.31	12.51	0.00	3	1	0	2,278	176	1,295
1127+36.20	112736.20	23.90	77.15	12.51	0.01	67	11	0	2,345	176	1,351
1127+37.30	112737.30	1.10	77.18	12.51	0.01	3	1	0	2,348	176	1,353
1127+50.00	112750.00	12.70	81.78	27.53	0.00	37	9	0	2,385	176	1,381
1127+61.20	112761.20	11.20	81.30	27.53	0.00	34	11	0	2,419	176	1,404
1127+62.30	112762.30	1.10	81.24	27.53	0.00	3	1	0	2,422	176	1,406
1127+97.11	112797.11	34.81	75.11	27.53	0.00	101	35	0	2,523	176	1,472

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

9

9

PROJECT NO: 1610-00-77 | HWY: STH 13 | COUNTY: ASHLAND | EARTHWORK DATA | SHEET 425 | E

STAGE 3 - STH 13

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
1128+00.00	112800.00	2.89	73.36	27.53	0.02	8	3	0	2,531	176	1,477
1128+25.00	112825.00	25.00	69.82	27.53	0.25	66	25	0	2,597	176	1,518
1128+45.33	112845.33	20.33	62.25	27.53	2.78	50	21	1	2,647	178	1,546
1128+50.00	112850.00	4.67	59.06	27.53	3.31	10	5	1	2,657	179	1,549
1128+95.48	112895.48	45.48	77.17	27.53	0.54	115	46	3	2,772	183	1,615
1129+00.00	112900.00	4.52	76.34	27.53	0.55	13	5	0	2,785	183	1,623
1129+48.88	112948.88	48.88	74.27	27.53	0.63	136	50	1	2,921	184	1,707
1129+50.00	112950.00	1.12	75.21	27.53	0.57	3	1	0	2,924	184	1,709
1129+62.80	112962.80	12.80	94.56	27.53	0.00	40	13	0	2,964	184	1,736
1130+00.00	113000.00	37.20	94.67	27.53	0.00	130	38	0	3,094	184	1,828
1130+04.42	113004.42	4.42	94.63	27.53	0.00	15	5	0	3,109	184	1,838
1130+45.00	113045.00	40.58	93.58	27.53	0.13	141	41	0	3,250	184	1,938
1130+58.38	113058.38	13.38	79.84	27.53	0.00	43	14	0	3,293	184	1,967
1130+68.52	113068.52	10.14	77.83	27.53	0.00	30	10	0	3,323	184	1,987
1131+00.00	113100.00	31.48	79.51	27.53	0.00	92	32	0	3,415	184	2,047
1131+50.00	113150.00	50.00	79.44	27.53	0.00	147	51	0	3,562	184	2,143
1131+65.93	113165.93	15.93	90.48	27.53	0.00	50	16	0	3,612	184	2,177
1131+68.52	113168.52	2.59	92.40	27.53	0.00	9	3	0	3,621	184	2,183
1132+00.00	113200.00	31.48	138.29	27.53	0.00	134	32	0	3,755	184	2,285
1132+02.98	113202.98	2.98	139.34	27.53	0.00	15	3	0	3,770	184	2,297
1132+39.43	113239.43	36.45	99.20	27.53	0.00	161	37	0	3,931	184	2,421
1132+50.00	113250.00	10.57	84.95	27.53	0.00	36	11	0	3,967	184	2,446
1132+88.28	113288.28	38.28	89.81	27.53	0.00	124	39	0	4,091	184	2,531
1133+00.00	113300.00	11.72	79.88	27.53	0.00	37	12	0	4,128	184	2,556
1133+50.00	113350.00	50.00	79.46	27.53	0.02	148	51	0	4,276	184	2,653
1134+00.00	113400.00	50.00	79.24	27.53	0.00	147	51	0	4,423	184	2,749
1134+50.00	113450.00	50.00	79.87	27.53	0.00	147	51	0	4,570	184	2,845
1135+00.00	113500.00	50.00	78.56	27.53	0.00	147	51	0	4,717	184	2,941
1135+32.18	113532.18	32.18	88.41	27.53	0.00	100	33	0	4,817	184	3,008
1135+50.00	113550.00	17.82	120.37	27.53	0.01	69	18	0	4,886	184	3,059
1135+70.09	113570.09	20.09	126.16	27.53	0.00	92	20	0	4,978	184	3,131
1136+00.00	113600.00	29.91	95.40	27.53	0.00	123	30	0	5,101	184	3,224
1136+08.15	113608.15	8.15	87.91	27.53	0.00	28	8	0	5,129	184	3,244
1136+50.00	113650.00	41.85	77.41	27.53	0.28	128	43	0	5,257	184	3,329
1137+00.00	113700.00	50.00	76.87	27.53	0.47	143	51	1	5,400	185	3,420
1137+46.54	113746.54	46.54	92.24	27.53	0.56	146	47	1	5,546	186	3,518
1137+50.00	113750.00	3.46	92.35	27.53	0.56	12	4	0	5,558	186	3,526
1138+00.00	113800.00	50.00	75.28	27.53	0.73	155	51	1	5,713	188	3,629
1138+50.00	113850.00	50.00	75.61	27.53	0.50	140	51	1	5,853	189	3,716
1139+00.00	113900.00	50.00	87.04	27.53	0.00	151	51	0	6,004	189	3,816
1139+02.43	113902.43	2.43	89.15	27.53	0.00	8	2	0	6,012	189	3,822
1139+08.06	113908.06	5.63	86.19	27.53	0.02	18	6	0	6,030	189	3,834
1139+35.74	113935.74	27.68	103.10	27.53	0.00	97	28	0	6,127	189	3,903
1139+69.04	113969.04	33.30	88.45	27.53	0.00	118	34	0	6,245	189	3,987
1139+69.44	113969.44	0.40	92.42	27.53	0.00	1	0	0	6,246	189	3,988
1140+00.00	114000.00	30.56	80.09	27.53	0.21	98	31	0	6,344	189	4,055
1140+50.00	114050.00	50.00	79.13	27.53	0.29	147	51	0	6,491	189	4,151
1141+00.00	114100.00	50.00	76.85	27.53	0.48	144	51	1	6,635	190	4,243
1141+18.48	114118.48	18.48	76.40	27.53	0.50	52	19	0	6,687	190	4,276
1141+45.01	114145.01	26.53	85.59	27.53	0.53	80	27	1	6,767	191	4,328

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

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PROJECT NO: 1610-00-77 | HWY: STH 13 | COUNTY: ASHLAND | EARTHWORK DATA | SHEET 426 | E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090101-EW-STH13.DWG
LAYOUT NAME - 09

PLOT DATE : 4/25/2024 3:39 PM PLOT BY : P_LANCOUR PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49

STAGE 3 - STH 13

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
1141+50.00	114150.00	4.99	86.05	27.53	0.55	16	5	0	6,783	191	4,339
1142+00.00	114200.00	50.00	78.86	27.53	0.01	153	51	1	6,936	193	4,440
1142+50.00	114250.00	50.00	83.01	27.53	0.00	150	51	0	7,086	193	4,539
1142+69.29	114269.29	19.29	92.44	27.53	0.00	63	20	0	7,149	193	4,582
1143+00.00	114300.00	30.71	132.22	27.53	0.00	128	31	0	7,277	193	4,679
1143+02.68	114302.68	2.68	131.74	27.53	0.00	13	3	0	7,290	193	4,689
1143+35.27	114335.27	32.59	90.69	27.53	0.00	134	33	0	7,424	193	4,790
1143+50.00	114350.00	14.73	77.95	27.53	0.13	46	15	0	7,470	193	4,821
1144+00.00	114400.00	50.00	74.28	27.53	1.05	141	51	1	7,611	194	4,909
1144+50.00	114450.00	50.00	74.08	27.53	0.86	137	51	2	7,748	196	4,993
1145+00.00	114500.00	50.00	72.94	27.53	1.62	136	51	2	7,884	199	5,075
1145+50.00	114550.00	50.00	74.33	27.53	1.35	136	51	3	8,020	203	5,157
1146+00.00	114600.00	50.00	74.77	27.53	0.66	138	51	2	8,158	205	5,241
1146+37.07	114637.07	37.07	84.86	27.53	0.05	110	38	0	8,268	205	5,313
1146+39.70	114639.70	2.63	84.39	27.53	0.34	8	3	0	8,276	205	5,318
1146+50.00	114650.00	10.30	102.03	27.53	1.49	36	11	0	8,312	205	5,343
1146+68.14	114668.14	18.14	125.07	27.53	0.00	76	18	1	8,388	206	5,400
1146+99.07	114699.07	30.93	82.81	27.53	0.05	119	32	0	8,507	206	5,487
1147+00.00	114700.00	0.93	86.25	27.53	0.41	3	1	0	8,510	206	5,489
1147+01.26	114701.26	1.26	87.45	27.53	0.10	4	1	0	8,514	206	5,492
1147+50.00	114750.00	48.74	73.69	27.53	0.43	145	50	0	8,659	206	5,587
1148+00.00	114800.00	50.00	73.23	27.53	0.87	136	51	1	8,795	208	5,671
1148+50.00	114850.00	50.00	73.61	27.53	0.69	136	51	1	8,931	209	5,754
1149+00.00	114900.00	50.00	74.96	27.53	0.44	138	51	1	9,069	210	5,840
1149+50.00	114950.00	50.00	77.05	27.53	0.13	141	51	1	9,210	211	5,929
1150+00.00	115000.00	50.00	95.36	27.53	0.00	160	51	0	9,370	211	6,038
1150+01.48	115001.48	1.48	96.09	27.53	0.00	5	2	0	9,375	211	6,041
1150+34.44	115034.44	32.96	123.53	27.53	0.00	134	34	0	9,509	211	6,141
1150+50.00	115050.00	15.56	121.84	27.53	0.00	71	16	0	9,580	211	6,196
1150+67.39	115067.39	17.39	83.37	27.53	0.45	66	18	0	9,646	211	6,244
1151+00.00	115100.00	32.61	80.27	27.53	0.01	99	33	0	9,745	211	6,310
1151+50.00	115150.00	50.00	78.55	27.53	0.36	147	51	0	9,892	211	6,406
1152+00.00	115200.00	50.00	74.89	27.53	0.61	142	51	1	10,034	213	6,496
1152+22.71	115222.71	22.71	73.78	27.53	0.68	63	23	1	10,097	214	6,534
1152+50.00	115250.00	27.29	74.25	27.53	0.33	75	28	1	10,172	215	6,580
1152+78.20	115278.20	28.20	80.07	27.53	0.56	81	29	0	10,253	215	6,632
1153+00.00	115300.00	21.80	79.02	27.53	1.05	64	22	1	10,317	216	6,673
1153+42.50	115342.50	42.50	74.59	27.53	1.27	121	43	2	10,438	219	6,748
1153+43.00	115343.00	0.50	24.25	27.53	0.95	1	1	0	10,439	219	6,748
1153+48.61	115348.61	5.61	25.27	27.53	0.81	5	6	0	10,444	219	6,747

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

STAGE 3 - NORTHLAND SOUTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
9+52.21	952.21	0.00	61.27	0.00	0.51	0	0	0	0	0	0
9+65.00	965.00	12.79	88.08	0.00	5.19	35	0	1	35	1	34

STAGE 3 - NORTHLAND NORTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
9+39.78	939.78	0.00	84.44	0.00	0.64	0	0	0	0	0	0
9+60.00	960.00	20.22	185.80	0.00	0.00	101	0	0	101	0	101

STAGE 3 - 12TH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
9+00.07	900.07	0.00	90.20	0.00	0.00	0	0	0	0	0	0
9+25.00	925.00	24.93	117.05	0.00	0.00	96	0	0	96	0	96
9+50.00	950.00	25.00	134.42	0.00	0.00	116	0	0	212	0	212

STAGE 3 - 11TH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
9+32.48	932.48	0.00	94.91	0.00	0.00	0	0	0	0	0	0
9+50.00	950.00	17.52	108.88	0.00	0.00	66	0	0	66	0	66

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

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PROJECT NO: 1610-00-77 | HWY: STH 13 | COUNTY: ASHLAND | EARTHWORK DATA | SHEET 428 | E

STAGE 3 - 10TH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
9+28.90	928.90	0.00	89.36	0.00	0.00	0	0	0	0	0	0
9+49.65	949.65	20.75	110.69	0.00	0.00	77	0	0	77	0	77
9+60.00	960.00	10.35	122.04	0.00	0.00	45	0	0	122	0	122

STAGE 3 - 9TH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
9+15.00	915.00	0.00	67.40	0.00	1.65	0	0	0	0	0	0
9+30.00	930.00	15.00	74.53	0.00	0.15	39	0	1	39	1	38
9+50.69	950.69	20.69	109.49	0.00	0.11	71	0	0	110	1	109

STAGE 3 - 8TH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
9+28.95	928.95	0.00	85.84	0.00	0.01	0	0	0	0	0	0
9+50.00	950.00	21.05	103.28	0.00	0.00	74	0	0	74	0	74

STAGE 3 - 7TH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
9+31.22	931.22	0.00	92.88	0.00	0.08	0	0	0	0	0	0
9+50.00	950.00	18.78	108.72	0.00	1.78	70	0	1	70	1	69

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

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PROJECT NO: 1610-00-77 | HWY: STH 13 | COUNTY: ASHLAND | EARTHWORK DATA | SHEET 429 | E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090101-EW-STH13.DWG
LAYOUT NAME - 12

PLOT DATE : 4/25/2024 3:39 PM PLOT BY : P_LANCOUR PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49

STAGE 4 - STH 13

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
1116+45.46	111645.46	0.00	88.25	20.90	0.00	0	0	0	0	0	0
1116+50.00	111650.00	4.54	87.53	20.90	0.00	15	4	0	15	0	11
1116+55.46	111655.46	5.46	64.14	20.90	1.34	15	4	0	30	0	22
1116+94.24	111694.24	38.78	62.71	20.90	26.37	91	30	20	121	25	58
1117+00.00	111700.00	5.76	64.12	20.90	20.98	14	4	5	135	31	62
1117+37.67	111737.67	37.67	117.42	20.90	0.00	127	29	15	262	50	141
1117+50.00	111750.00	12.33	82.60	20.90	0.00	46	10	0	308	50	177
1117+77.12	111777.12	27.12	60.39	20.90	3.56	72	21	2	380	53	226
1118+00.00	111800.00	22.88	69.21	20.90	0.00	55	18	2	435	55	260
1118+18.92	111818.92	18.92	73.79	20.90	0.00	50	15	0	485	55	295
1118+50.00	111850.00	31.08	59.21	20.90	2.96	77	24	2	562	58	346
1118+71.89	111871.89	21.89	59.02	20.90	3.01	48	17	2	610	60	374
1119+00.00	111900.00	28.11	55.89	20.90	3.08	60	22	3	670	64	408
1119+50.00	111950.00	50.00	57.86	20.90	3.02	105	39	6	775	71	467
1120+00.00	112000.00	50.00	56.19	20.90	2.91	106	39	5	881	78	528
1120+50.00	112050.00	50.00	61.12	20.90	2.75	109	39	5	990	84	591
1121+00.00	112100.00	50.00	54.92	20.90	2.97	107	39	5	1,097	90	653
1121+50.00	112150.00	50.00	54.43	20.90	2.47	101	39	5	1,198	96	709
1121+63.79	112163.79	13.79	60.55	20.90	0.01	29	11	1	1,227	98	726
1121+79.99	112179.99	16.20	62.07	20.90	0.04	37	13	0	1,264	98	750
1122+00.00	112200.00	20.01	53.51	20.90	5.06	43	15	2	1,307	100	775
1122+00.80	112200.80	0.80	53.50	20.90	5.00	2	1	0	1,309	100	776
1122+37.50	112237.50	36.70	52.89	22.22	2.35	72	29	5	1,381	106	813
1122+50.00	112250.00	12.50	46.67	22.22	4.51	23	10	2	1,404	109	823
1123+00.00	112300.00	50.00	46.55	22.22	6.54	86	41	10	1,490	121	856
1123+50.00	112350.00	50.00	45.74	22.22	9.01	85	41	14	1,575	139	882
1124+00.00	112400.00	50.00	46.21	22.22	3.83	85	41	12	1,660	154	911
1124+25.59	112425.59	25.59	53.80	22.22	3.05	47	21	3	1,707	158	934
1124+50.00	112450.00	24.41	47.38	22.22	2.69	46	20	3	1,753	161	956
1124+79.49	112479.49	29.49	71.19	22.22	1.94	65	24	3	1,818	165	993
1125+00.00	112500.00	20.51	48.30	22.22	2.35	45	17	2	1,863	168	1,019
1125+05.00	112505.00	5.00	49.08	22.22	1.64	9	4	0	1,872	168	1,024
1125+30.00	112530.00	25.00	48.96	22.22	2.62	45	21	2	1,917	170	1,045
1125+31.10	112531.10	1.10	48.98	22.22	2.62	2	1	0	1,919	170	1,046
1125+50.00	112550.00	18.90	49.35	22.22	2.07	34	16	2	1,953	173	1,062
1125+55.00	112555.00	5.00	50.01	22.22	1.61	9	4	0	1,962	173	1,067
1125+56.10	112556.10	1.10	50.16	22.22	1.56	2	1	0	1,964	173	1,068
1125+81.10	112581.10	25.00	53.70	22.22	0.70	48	21	1	2,012	174	1,093
1126+00.00	112600.00	18.90	56.61	22.22	0.32	39	16	0	2,051	174	1,116
1126+37.11	112637.11	37.11	60.19	12.51	0.59	80	24	1	2,131	175	1,171
1126+50.00	112650.00	12.89	61.11	12.51	0.54	29	6	0	2,160	175	1,194
1127+00.00	112700.00	50.00	69.83	12.51	0.03	121	23	1	2,281	176	1,291
1127+11.20	112711.20	11.20	72.78	12.51	0.00	30	5	0	2,311	176	1,316
1127+12.30	112712.30	1.10	73.04	12.51	0.00	3	1	0	2,314	176	1,318
1127+36.20	112736.20	23.90	76.92	12.51	0.00	66	11	0	2,380	176	1,373
1127+37.30	112737.30	1.10	77.01	12.51	0.00	3	1	0	2,383	176	1,375
1127+50.00	112750.00	12.70	82.81	27.53	0.00	38	9	0	2,421	176	1,404
1127+61.20	112761.20	11.20	82.55	27.53	0.00	34	11	0	2,455	176	1,427
1127+62.30	112762.30	1.10	82.44	27.53	0.00	3	1	0	2,458	176	1,429
1127+97.11	112797.11	34.81	73.38	27.53	0.00	100	35	0	2,558	176	1,494

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

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PROJECT NO: 1610-00-77 | HWY: STH 13 | COUNTY: ASHLAND | EARTHWORK DATA | SHEET 430 | E

STAGE 4 - STH 13

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
1128+00.00	112800.00	2.89	72.42	27.53	0.00	8	3	0	2,566	176	1,499
1128+25.00	112825.00	25.00	61.14	27.53	3.20	62	25	1	2,628	178	1,535
1128+45.33	112845.33	20.33	60.90	27.53	3.73	46	21	3	2,674	181	1,556
1128+50.00	112850.00	4.67	60.39	27.53	5.45	10	5	1	2,684	183	1,560
1128+95.48	112895.48	45.48	66.06	27.53	0.29	106	46	5	2,790	189	1,613
1129+00.00	112900.00	4.52	64.13	27.53	1.08	11	5	0	2,801	189	1,619
1129+48.88	112948.88	48.88	58.42	27.53	2.43	111	50	3	2,912	193	1,677
1129+50.00	112950.00	1.12	58.81	27.53	2.07	2	1	0	2,914	193	1,678
1129+62.80	112962.80	12.80	74.59	27.53	0.00	32	13	0	2,946	193	1,697
1130+00.00	113000.00	37.20	64.74	27.53	3.93	96	38	3	3,042	196	1,751
1130+04.42	113004.42	4.42	64.53	27.53	4.19	11	5	1	3,053	198	1,756
1130+45.00	113045.00	40.58	66.38	27.53	3.73	98	41	6	3,151	205	1,805
1130+58.38	113058.38	13.38	62.15	27.53	3.29	32	14	2	3,183	208	1,821
1130+68.52	113068.52	10.14	60.45	27.53	3.53	23	10	1	3,206	209	1,832
1131+00.00	113100.00	31.48	67.51	27.53	0.59	75	32	2	3,281	211	1,873
1131+50.00	113150.00	50.00	78.09	27.53	0.01	135	51	1	3,416	213	1,956
1131+65.93	113165.93	15.93	90.93	27.53	0.00	50	16	0	3,466	213	1,990
1131+68.52	113168.52	2.59	94.32	27.53	0.00	9	3	0	3,475	213	1,996
1132+00.00	113200.00	31.48	145.72	27.53	0.00	140	32	0	3,615	213	2,104
1132+02.98	113202.98	2.98	218.48	27.53	0.00	20	3	0	3,635	213	2,121
1132+39.43	113239.43	36.45	104.55	27.53	0.00	218	37	0	3,853	213	2,302
1132+50.00	113250.00	10.57	88.10	27.53	0.05	38	11	0	3,891	213	2,329
1132+88.28	113288.28	38.28	88.84	27.53	0.00	125	39	0	4,016	213	2,415
1133+00.00	113300.00	11.72	88.71	27.53	0.00	39	12	0	4,055	213	2,442
1133+50.00	113350.00	50.00	86.68	27.53	0.00	162	51	0	4,217	213	2,553
1134+00.00	113400.00	50.00	83.58	27.53	0.00	158	51	0	4,375	213	2,660
1134+50.00	113450.00	50.00	82.06	27.53	0.00	153	51	0	4,528	213	2,762
1135+00.00	113500.00	50.00	79.91	27.53	0.00	150	51	0	4,678	213	2,861
1135+32.18	113532.18	32.18	88.16	27.53	0.00	100	33	0	4,778	213	2,928
1135+50.00	113550.00	17.82	125.35	27.53	0.00	70	18	0	4,848	213	2,980
1135+70.09	113570.09	20.09	137.71	27.53	0.00	98	20	0	4,946	213	3,058
1136+00.00	113600.00	29.91	99.15	27.53	0.00	131	30	0	5,077	213	3,159
1136+08.15	113608.15	8.15	88.44	27.53	0.00	28	8	0	5,105	213	3,179
1136+50.00	113650.00	41.85	75.18	27.53	0.31	127	43	0	5,232	213	3,263
1137+00.00	113700.00	50.00	75.70	27.53	0.28	140	51	1	5,372	214	3,350
1137+46.54	113746.54	46.54	76.92	27.53	0.50	132	47	1	5,504	215	3,434
1137+50.00	113750.00	3.46	76.79	27.53	0.46	10	4	0	5,514	215	3,440
1138+00.00	113800.00	50.00	75.82	27.53	0.73	141	51	1	5,655	216	3,529
1138+50.00	113850.00	50.00	75.20	27.53	0.50	140	51	1	5,795	218	3,617
1139+00.00	113900.00	50.00	89.80	27.53	0.00	153	51	0	5,948	218	3,719
1139+02.43	113902.43	2.43	88.52	27.53	0.04	8	2	0	5,956	218	3,725
1139+08.06	113908.06	5.63	89.11	27.53	1.29	19	6	0	5,975	218	3,738
1139+35.74	113935.74	27.68	127.77	27.53	0.00	111	28	1	6,086	219	3,819
1139+69.04	113969.04	33.30	89.55	27.53	0.09	134	34	0	6,220	219	3,919
1139+69.44	113969.44	0.40	89.05	27.53	0.22	1	0	0	6,221	219	3,920
1140+00.00	114000.00	30.56	79.40	27.53	0.12	95	31	0	6,316	219	3,984
1140+50.00	114050.00	50.00	78.74	27.53	0.24	146	51	0	6,462	219	4,079
1141+00.00	114100.00	50.00	78.46	27.53	0.38	146	51	1	6,608	220	4,173
1141+18.48	114118.48	18.48	86.03	27.53	0.43	56	19	0	6,664	220	4,210
1141+45.01	114145.01	26.53	78.73	27.53	0.45	81	27	0	6,745	220	4,264

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

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PROJECT NO: 1610-00-77 | HWY: STH 13 | COUNTY: ASHLAND | EARTHWORK DATA | SHEET 431 | E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090101-EW-STH13.DWG
LAYOUT NAME - 14

PLOT DATE : 4/25/2024 3:39 PM PLOT BY : P_LANCOUR PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 49

STAGE 4 - STH 13

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
1141+50.00	114150.00	4.99	78.62	27.53	0.49	15	5	0	6,760	220	4,274
1142+00.00	114200.00	50.00	79.01	27.53	0.04	146	51	0	6,906	220	4,369
1142+50.00	114250.00	50.00	82.30	27.53	0.00	149	51	0	7,055	220	4,467
1142+69.29	114269.29	19.29	98.09	27.53	0.00	64	20	0	7,119	220	4,511
1143+00.00	114300.00	30.71	127.36	27.53	0.00	128	31	0	7,247	220	4,608
1143+02.68	114302.68	2.68	129.04	27.53	0.00	13	3	0	7,260	220	4,618
1143+35.27	114335.27	32.59	90.52	27.53	0.16	133	33	0	7,393	220	4,718
1143+50.00	114350.00	14.73	77.98	27.53	0.50	46	15	0	7,439	220	4,749
1144+00.00	114400.00	50.00	75.44	27.53	0.96	142	51	1	7,581	221	4,839
1144+50.00	114450.00	50.00	73.50	27.53	1.61	138	51	2	7,719	224	4,923
1145+00.00	114500.00	50.00	71.62	27.53	0.92	134	51	2	7,853	226	5,004
1145+50.00	114550.00	50.00	73.65	27.53	0.83	135	51	2	7,988	229	5,085
1146+00.00	114600.00	50.00	73.86	27.53	0.39	137	51	1	8,125	230	5,170
1146+37.07	114637.07	37.07	84.78	27.53	0.45	109	38	1	8,234	231	5,240
1146+39.70	114639.70	2.63	88.31	27.53	0.00	8	3	0	8,242	231	5,245
1146+50.00	114650.00	10.30	119.71	27.53	0.00	40	11	0	8,282	231	5,274
1146+68.14	114668.14	18.14	187.00	27.53	0.00	103	18	0	8,385	231	5,359
1146+99.07	114699.07	30.93	89.81	27.53	0.00	159	32	0	8,544	231	5,486
1147+00.00	114700.00	0.93	90.16	27.53	0.00	3	1	0	8,547	231	5,488
1147+01.26	114701.26	1.26	91.91	27.53	0.54	4	1	0	8,551	231	5,491
1147+50.00	114750.00	48.74	73.14	27.53	0.58	149	50	1	8,700	233	5,589
1148+00.00	114800.00	50.00	73.37	27.53	0.52	136	51	1	8,836	234	5,672
1148+50.00	114850.00	50.00	74.97	27.53	0.29	137	51	1	8,973	235	5,757
1149+00.00	114900.00	50.00	76.91	27.53	0.08	141	51	0	9,114	235	5,847
1149+50.00	114950.00	50.00	79.07	27.53	0.00	144	51	0	9,258	235	5,940
1150+00.00	115000.00	50.00	94.19	27.53	0.00	160	51	0	9,418	235	6,049
1150+01.48	115001.48	1.48	95.21	27.53	0.00	5	2	0	9,423	235	6,052
1150+34.44	115034.44	32.96	128.55	27.53	0.00	137	34	0	9,560	235	6,155
1150+50.00	115050.00	15.56	126.78	27.53	0.00	74	16	0	9,634	235	6,213
1150+67.39	115067.39	17.39	95.51	27.53	0.00	72	18	0	9,706	235	6,267
1151+00.00	115100.00	32.61	80.77	27.53	0.32	106	33	0	9,812	235	6,340
1151+50.00	115150.00	50.00	78.25	27.53	0.56	147	51	1	9,959	236	6,435
1152+00.00	115200.00	50.00	76.29	27.53	0.82	143	51	1	10,102	238	6,526
1152+22.71	115222.71	22.71	73.16	27.53	0.00	63	23	0	10,165	238	6,566
1152+50.00	115250.00	27.29	80.77	27.53	0.00	78	28	0	10,243	238	6,616
1152+78.20	115278.20	28.20	96.70	27.53	0.00	93	29	0	10,336	238	6,680
1153+00.00	115300.00	21.80	79.00	27.53	1.23	71	22	0	10,407	238	6,729
1153+42.50	115342.50	42.50	71.19	27.53	0.98	118	43	2	10,525	240	6,801
1153+43.00	115343.00	0.50	21.03	27.53	0.71	1	1	0	10,526	240	6,801
1153+48.61	115348.61	5.61	22.18	27.53	0.35	4	6	0	10,530	240	6,799

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

STAGE 4 - 16TH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+40.00	1040.00	0.00	95.17	0.00	15.94	0	0	0	0	0	0
10+54.85	1054.85	14.85	84.03	0.00	16.56	49	0	9	49	11	38

STAGE 4 - 12TH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+50.00	1050.00	0.00	139.15	0.00	0.00	0	0	0	0	0	0
10+75.00	1075.00	25.00	113.24	0.00	0.00	117	0	0	117	0	117
11+00.00	1100.00	25.00	85.52	0.00	2.39	92	0	1	209	1	208

STAGE 4 - 11TH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+50.00	1050.00	0.00	126.96	0.00	0.00	0	0	0	0	0	0
10+80.00	1080.00	30.00	89.04	0.00	0.19	120	0	0	120	0	120

STAGE 4 - 10TH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+50.00	1050.00	0.00	114.51	0.00	0.15	0	0	0	0	0	0
10+75.00	1075.00	25.00	94.06	0.00	0.00	97	0	0	97	0	97

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

9

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PROJECT NO: 1610-00-77 | HWY: STH 13 | COUNTY: ASHLAND | EARTHWORK DATA | SHEET 433 | E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090101-EW-STH13.DWG
LAYOUT NAME - 16

PLOT DATE : 4/25/2024 3:39 PM PLOT BY : P_LANCOUR PLOT NAME : PLOT SCALE : 1" = 1'

STAGE 4 - 9TH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+47.27	1047.27	0.00	119.32	0.00	0.01	0	0	0	0	0	0
10+65.50	1065.50	18.23	97.60	0.00	0.00	73	0	0	73	0	73

STAGE 4 - 8TH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+47.50	1047.50	0.00	129.95	0.00	0.00	0	0	0	0	0	0
10+60.92	1060.92	13.42	102.80	0.00	0.00	58	0	0	58	0	58
10+74.00	1074.00	13.08	86.54	0.00	0.17	46	0	0	104	0	104

STAGE 4 - 7TH

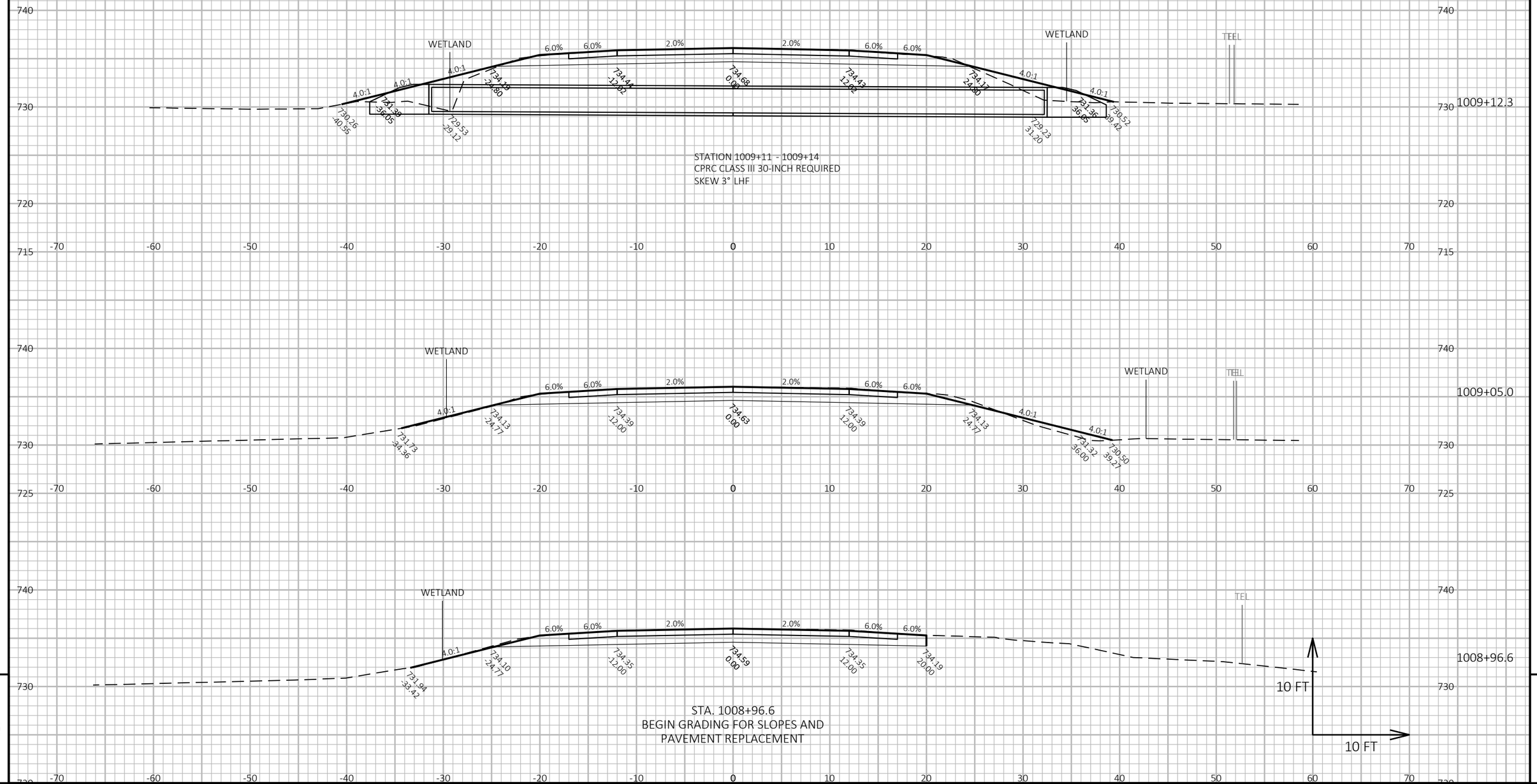
STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+50.00	1050.00	0.00	129.26	0.00	0.00	0	0	0	0	0	0
10+71.00	1071.00	21.00	95.46	0.00	0.12	87	0	0	87	0	87

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

9

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PROJECT NO: 1610-00-77 | HWY: STH 13 | COUNTY: ASHLAND | EARTHWORK DATA | SHEET 434 | E



9

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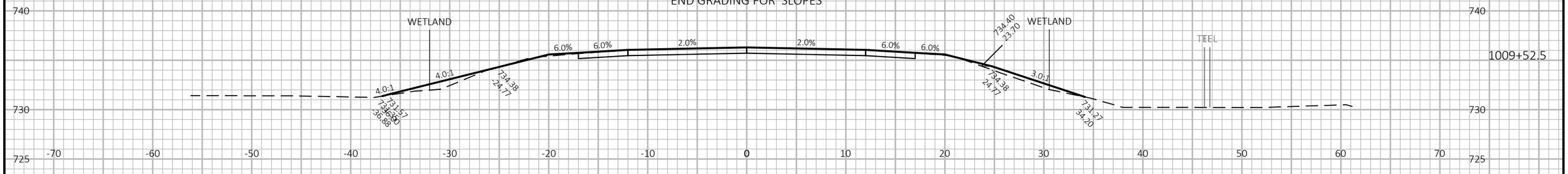
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - CULVERT REPLACEMENTS	SHEET 435	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090201_XS-BUTTERWORTHTO16TH.DWG
LAYOUT NAME - 13_xs-01-Culv1009+12

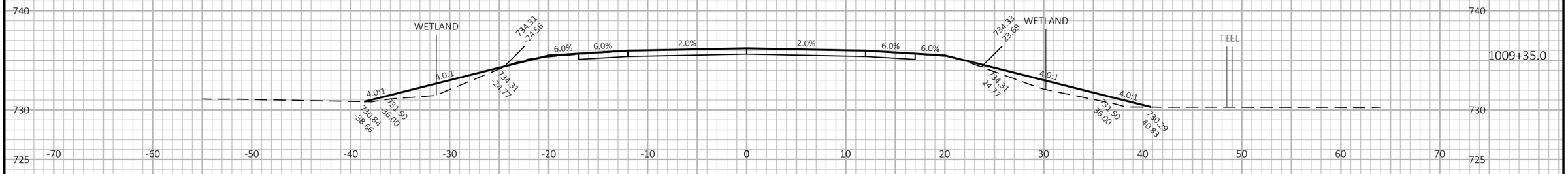
PLOT DATE : 7/30/2024 9:05 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

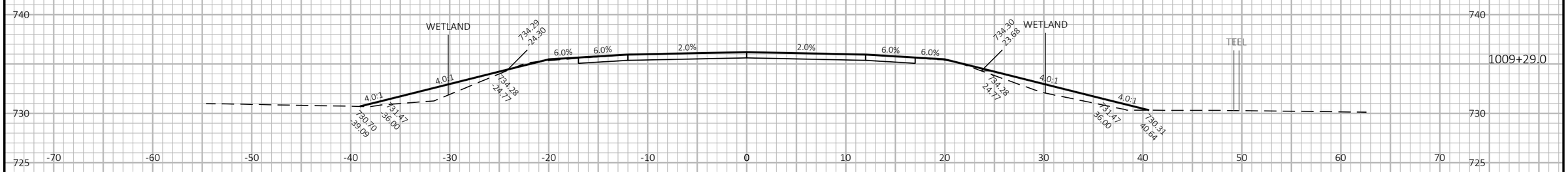
WISDOT/CADDS SHEET 49

STA. 1009+52.5
END GRADING FOR SLOPES

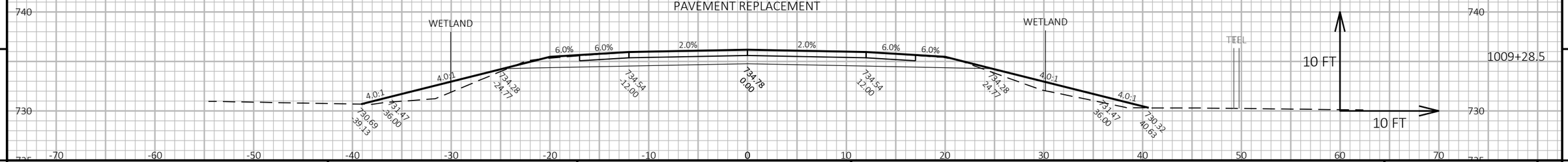


STA. 1009+35.0





STA. 1009+28.5
END GRADING FOR SLOPES AND
PAVEMENT REPLACEMENT



9

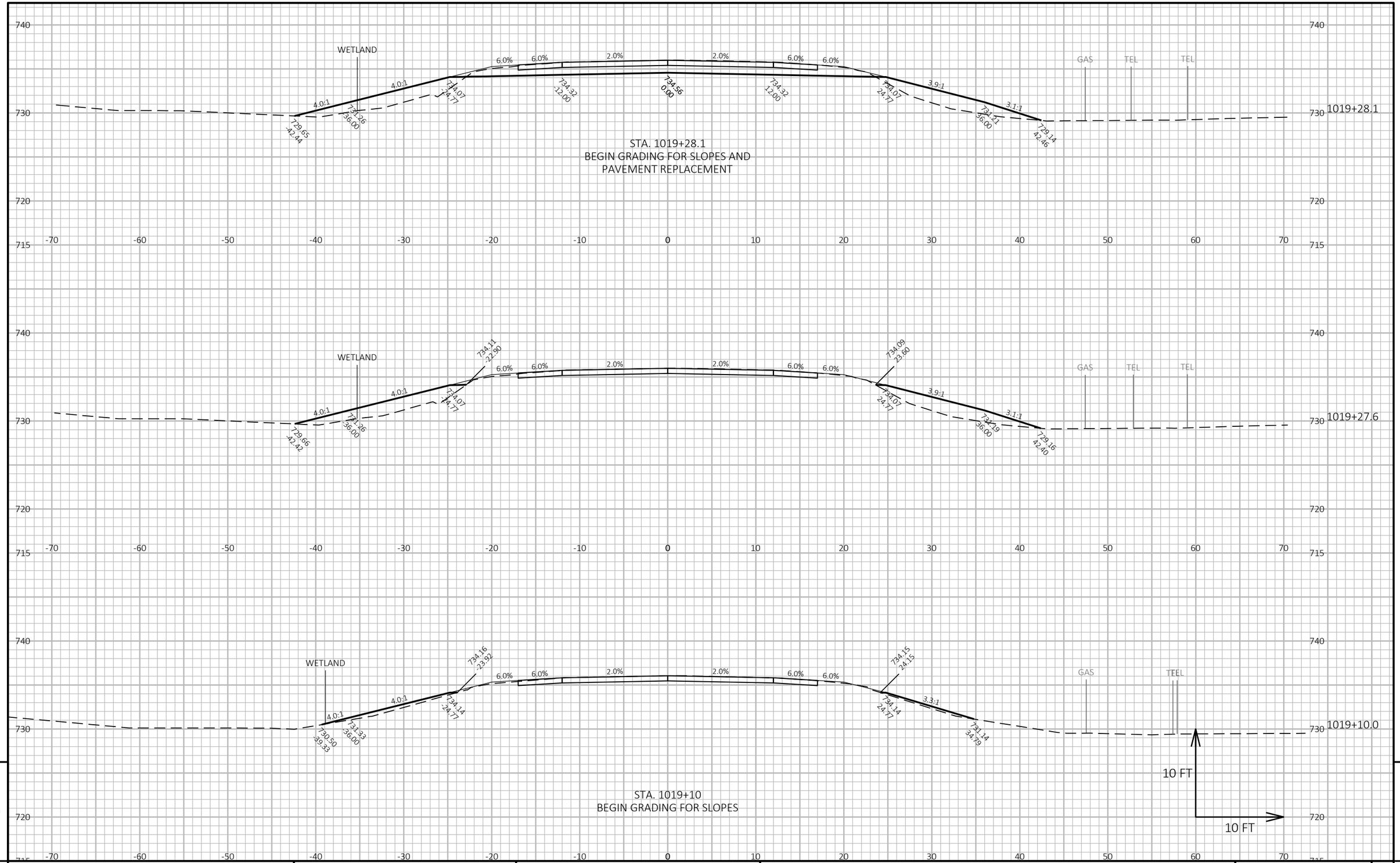
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - CULVERT REPLACEMENTS	SHEET 436	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090201_XS-BUTTERWORTHTO16TH.DWG
LAYOUT NAME - 13_xs-02-Culv1009+12

PLOT DATE : 7/30/2024 9:05 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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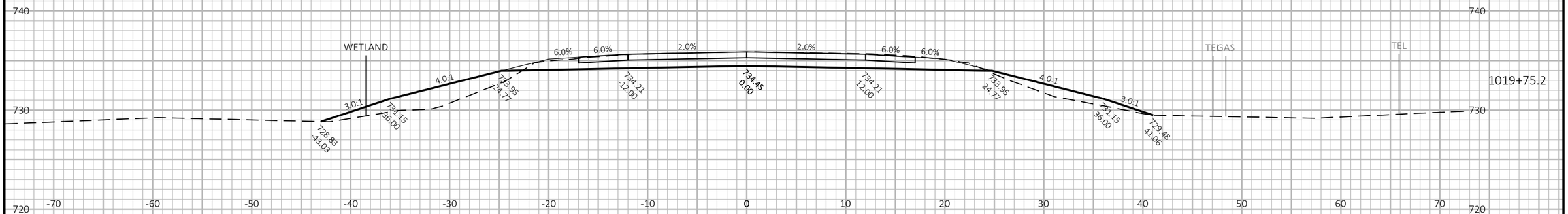
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - CULVERT REPLACEMENTS	SHEET 437	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090201_XS-BUTTERWORTHTO16TH.DWG
LAYOUT NAME - 13_xs-01-Culv1019+52

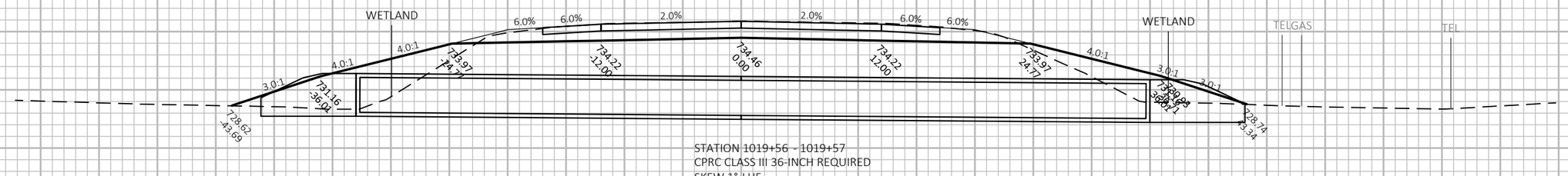
PLOT DATE : 7/30/2024 9:05 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

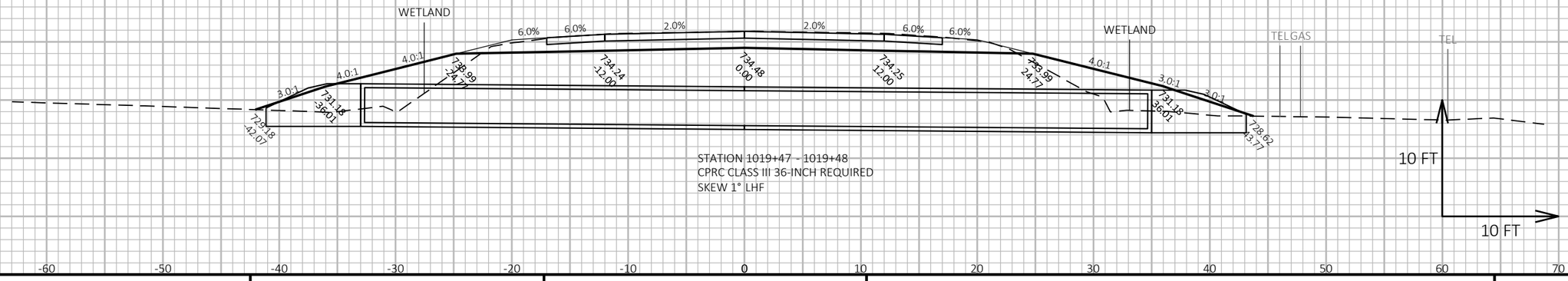
STA. 1019+75.2
END GRADING FOR SLOPES AND
PAVEMENT REPLACEMENT



STATION 1019+56 - 1019+57
CPRC CLASS III 36-INCH REQUIRED
SKEW 1° LHF



STATION 1019+47 - 1019+48
CPRC CLASS III 36-INCH REQUIRED
SKEW 1° LHF



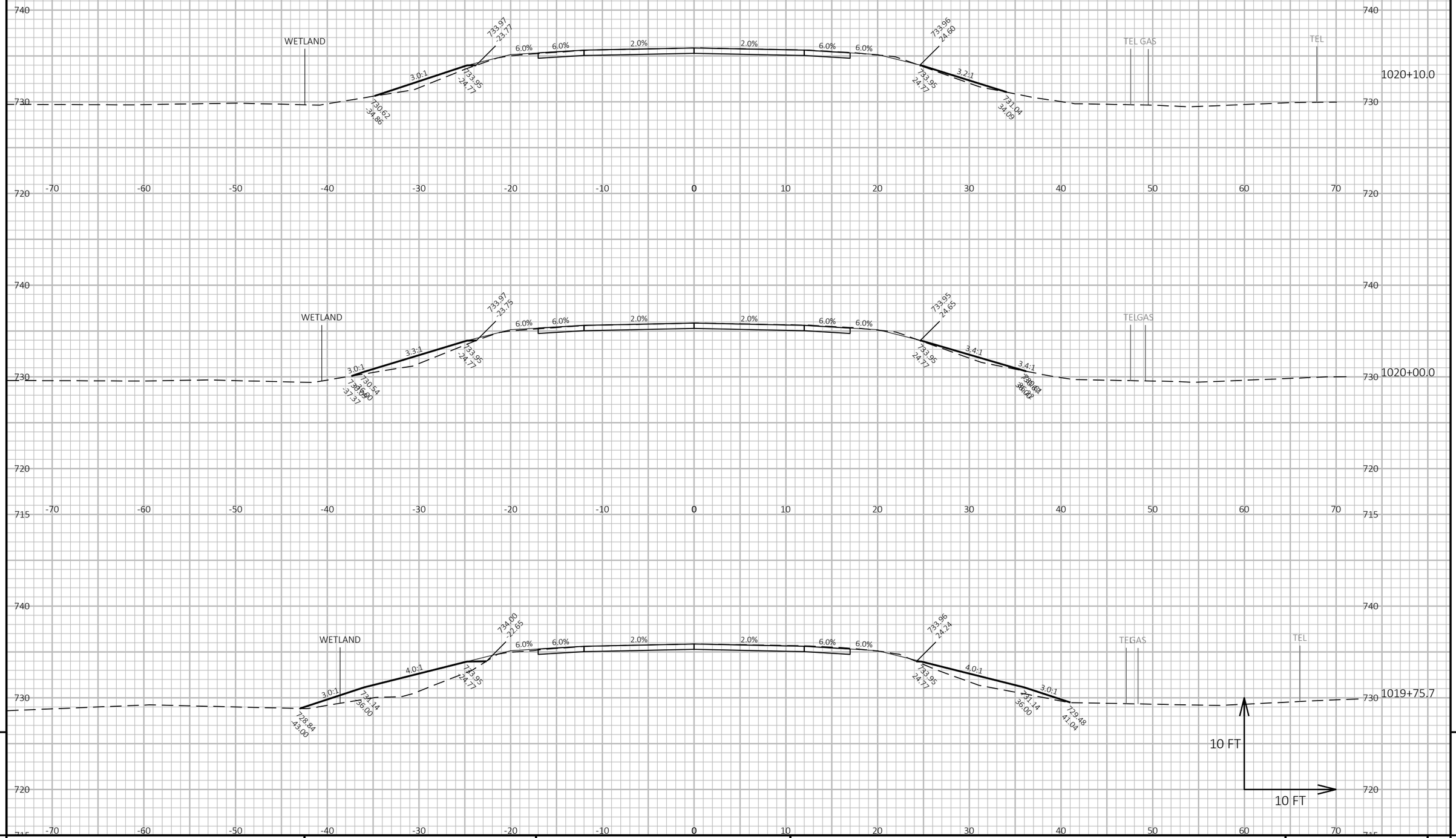
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - CULVERT REPLACEMENTS	SHEET 438	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090201_XS-BUTTERWORTHTO16TH.DWG
LAYOUT NAME - 13_xs-02-Culv1019+52

PLOT DATE : 7/30/2024 9:05 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

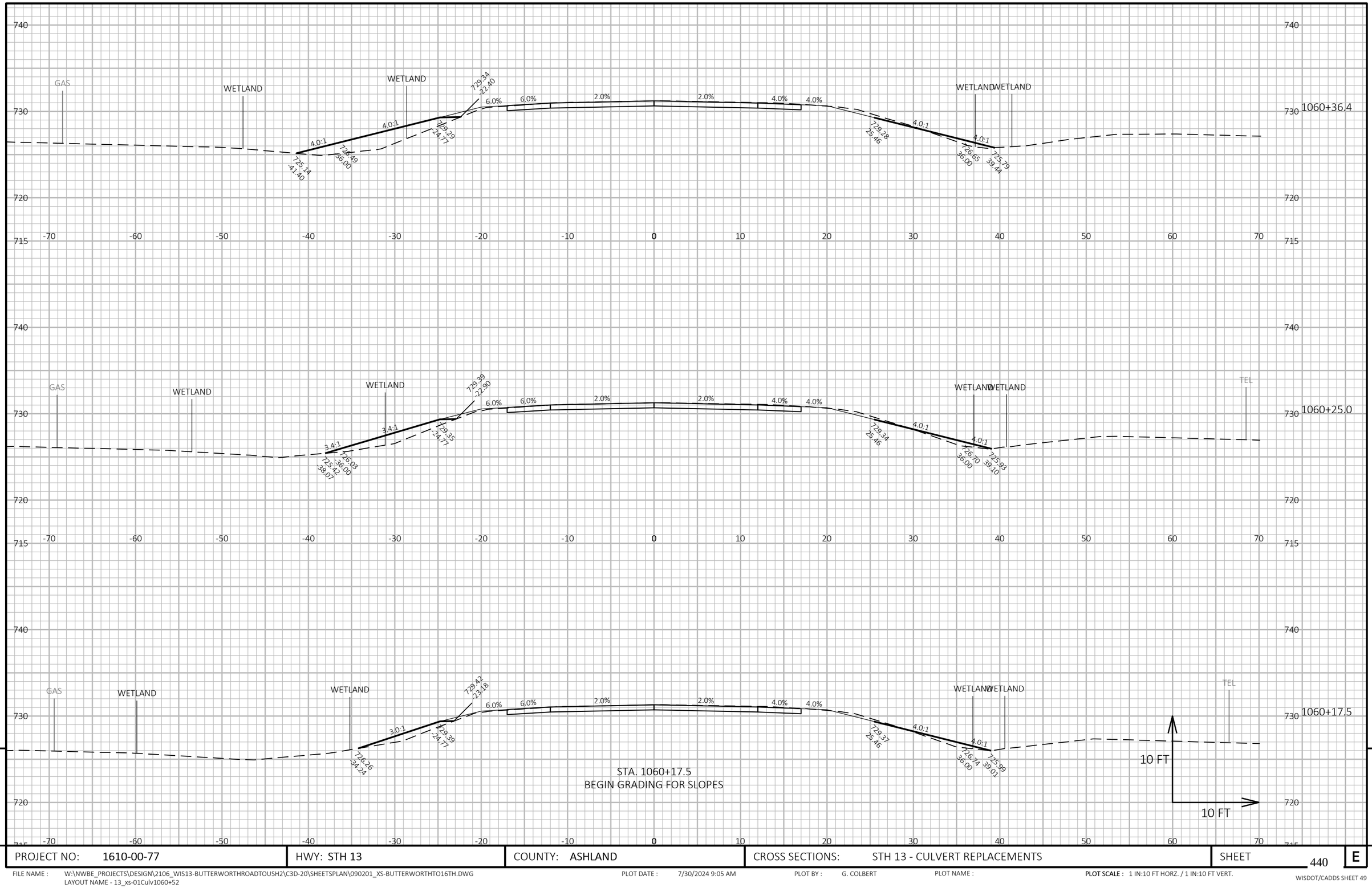
STA. 1020+10
END GRADING FOR SLOPES



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - CULVERT REPLACEMENTS	SHEET 439	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090201_XS-BUTTERWORTHTO16TH.DWG
LAYOUT NAME - 13_xs-03-Culv1019+52

PLOT DATE : 7/30/2024 9:05 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



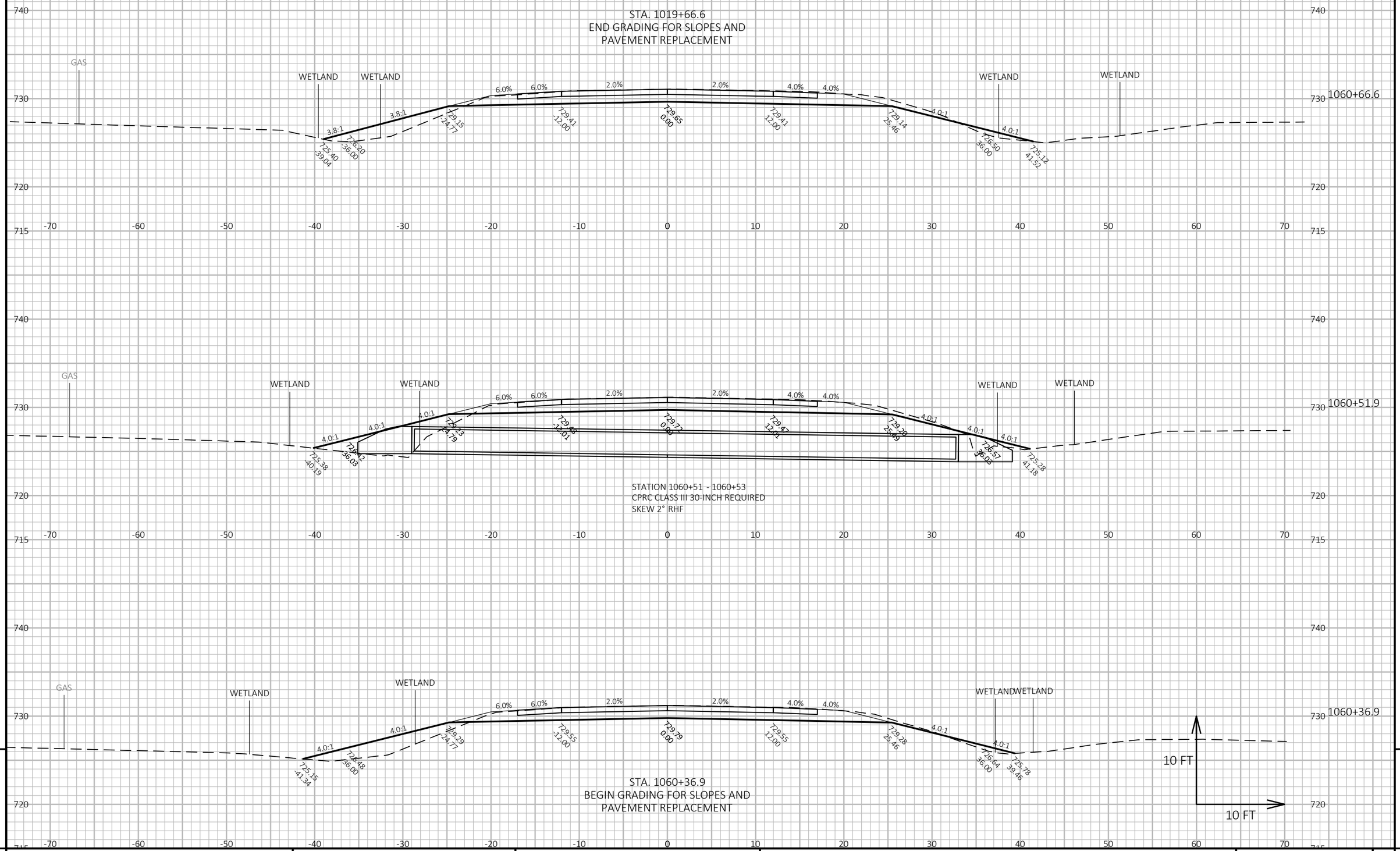
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - CULVERT REPLACEMENTS	SHEET 440	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090201_XS-BUTTERWORTHTO16TH.DWG
LAYOUT NAME - 13_xs-01Culv1060+52

PLOT DATE : 7/30/2024 9:05 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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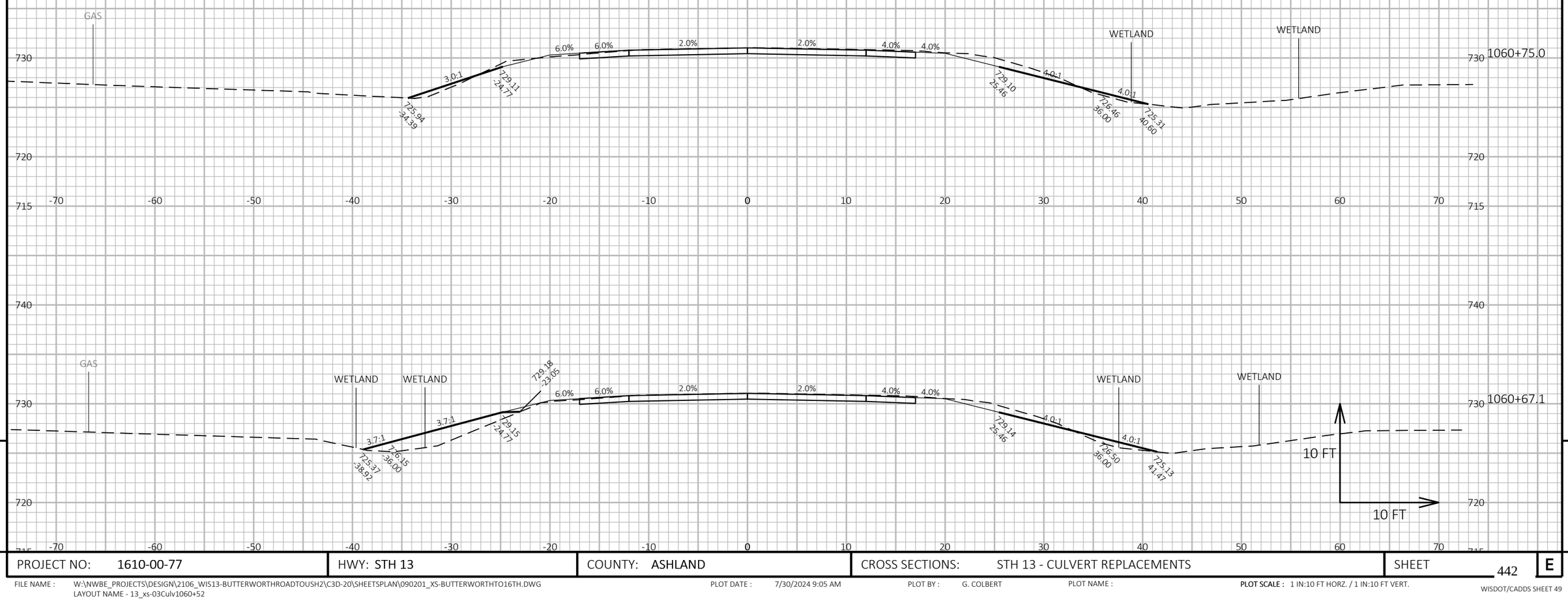
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - CULVERT REPLACEMENTS	SHEET 441	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090201_XS-BUTTERWORTHTO16TH.DWG
LAYOUT NAME - 13_xs-02Culv1060+52

PLOT DATE : 7/30/2024 9:05 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STA. 1060+75.0
END GRADING FOR SLOPES



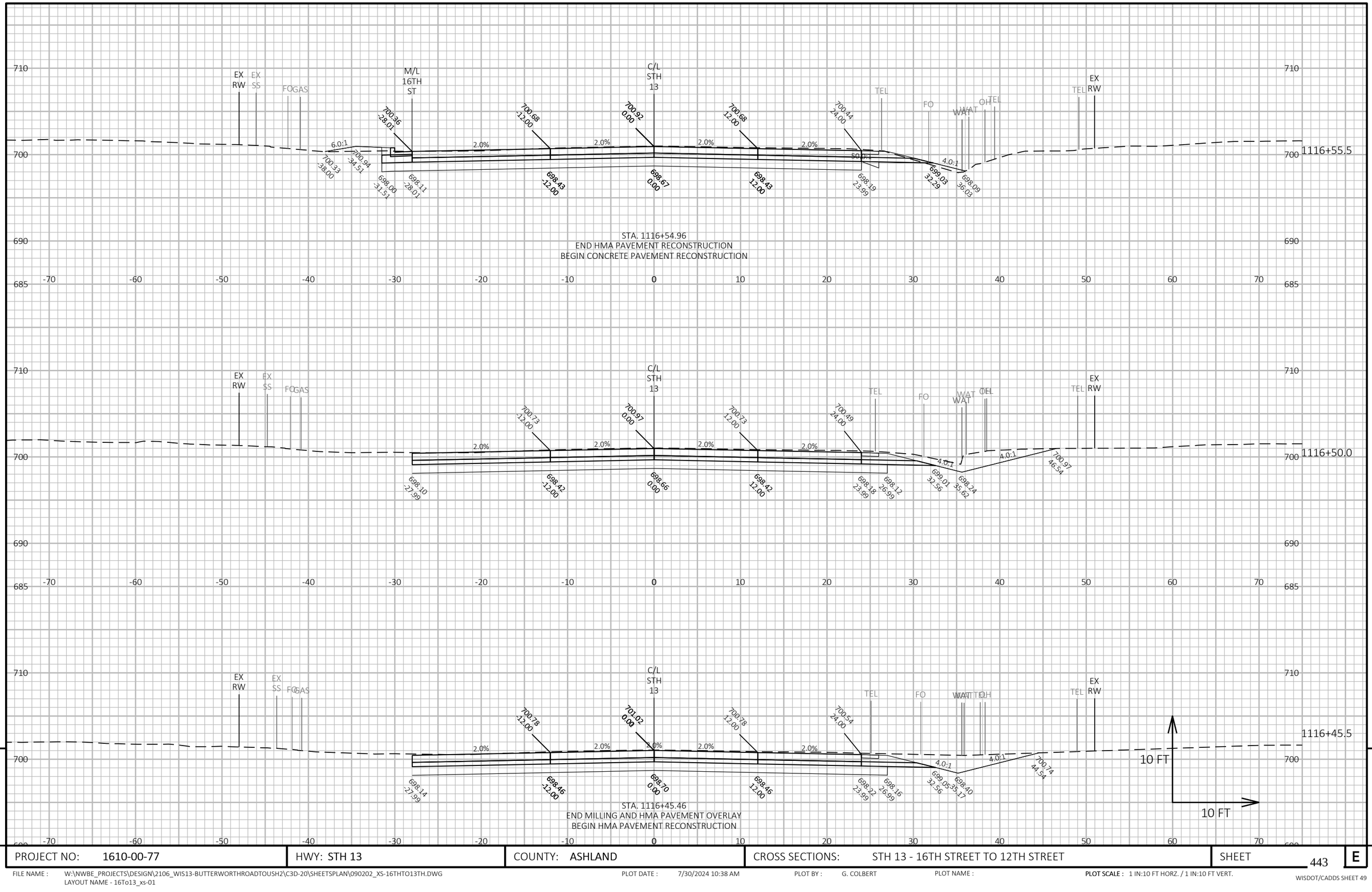
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9

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - CULVERT REPLACEMENTS	SHEET 442	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090201_XS-BUTTERWORTHTO16TH.DWG
LAYOUT NAME - 13_xs-03Culv1060+52

PLOT DATE : 7/30/2024 9:05 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

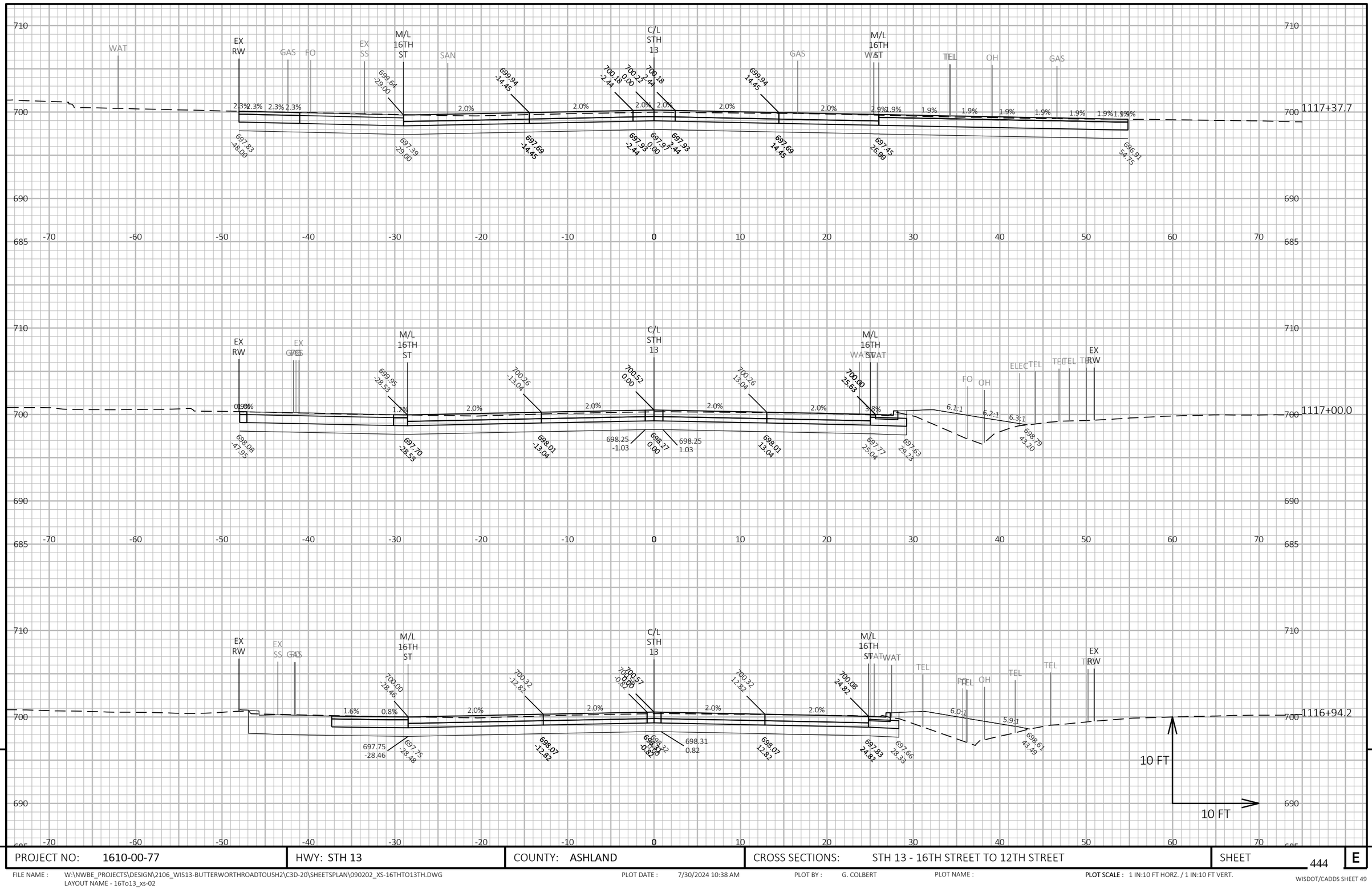


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 443 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-01

PLOT DATE : 7/30/2024 10:38 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

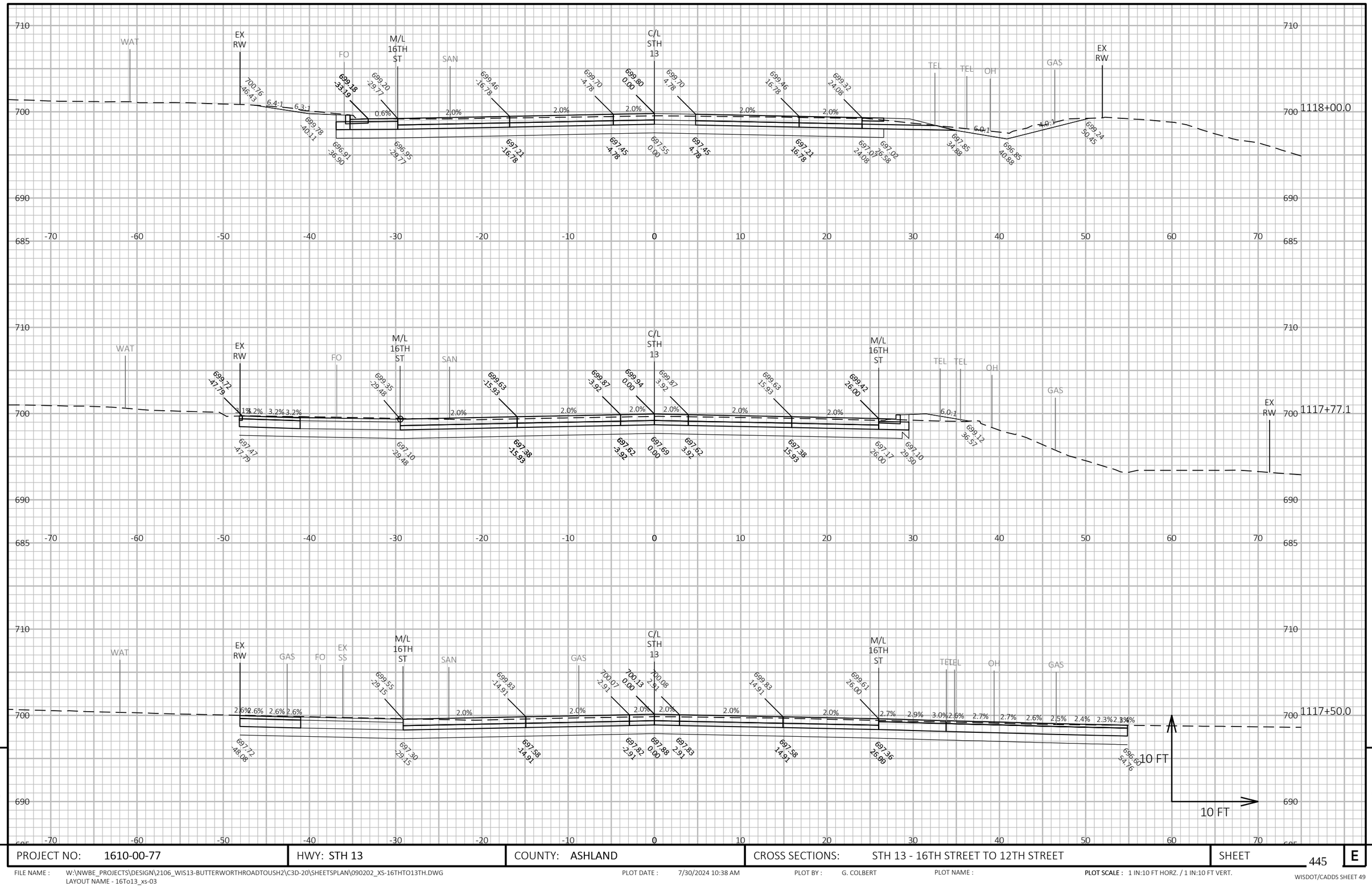


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 444	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-02

PLOT DATE : 7/30/2024 10:38 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

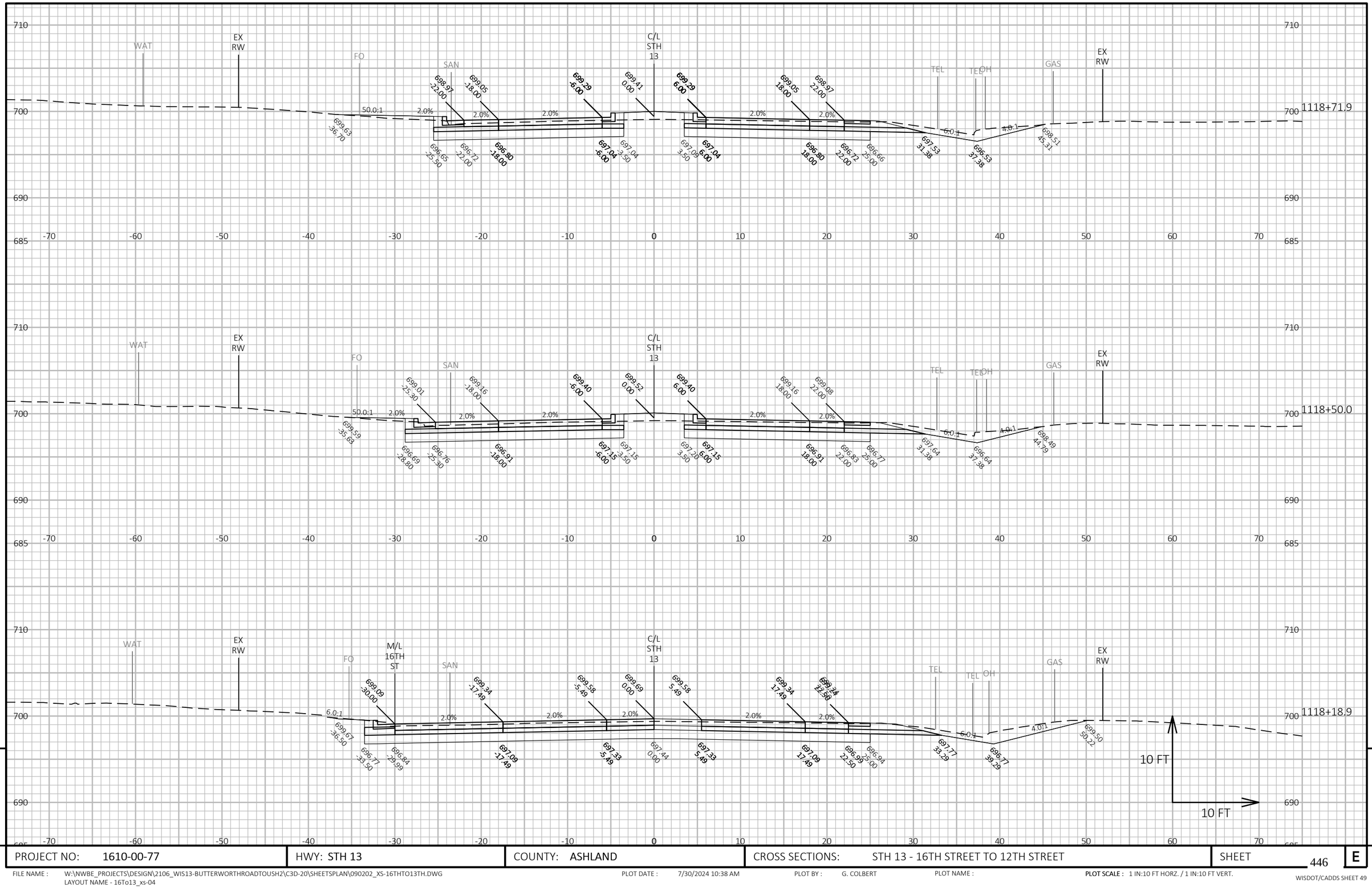


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 445	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-03

PLOT DATE : 7/30/2024 10:38 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

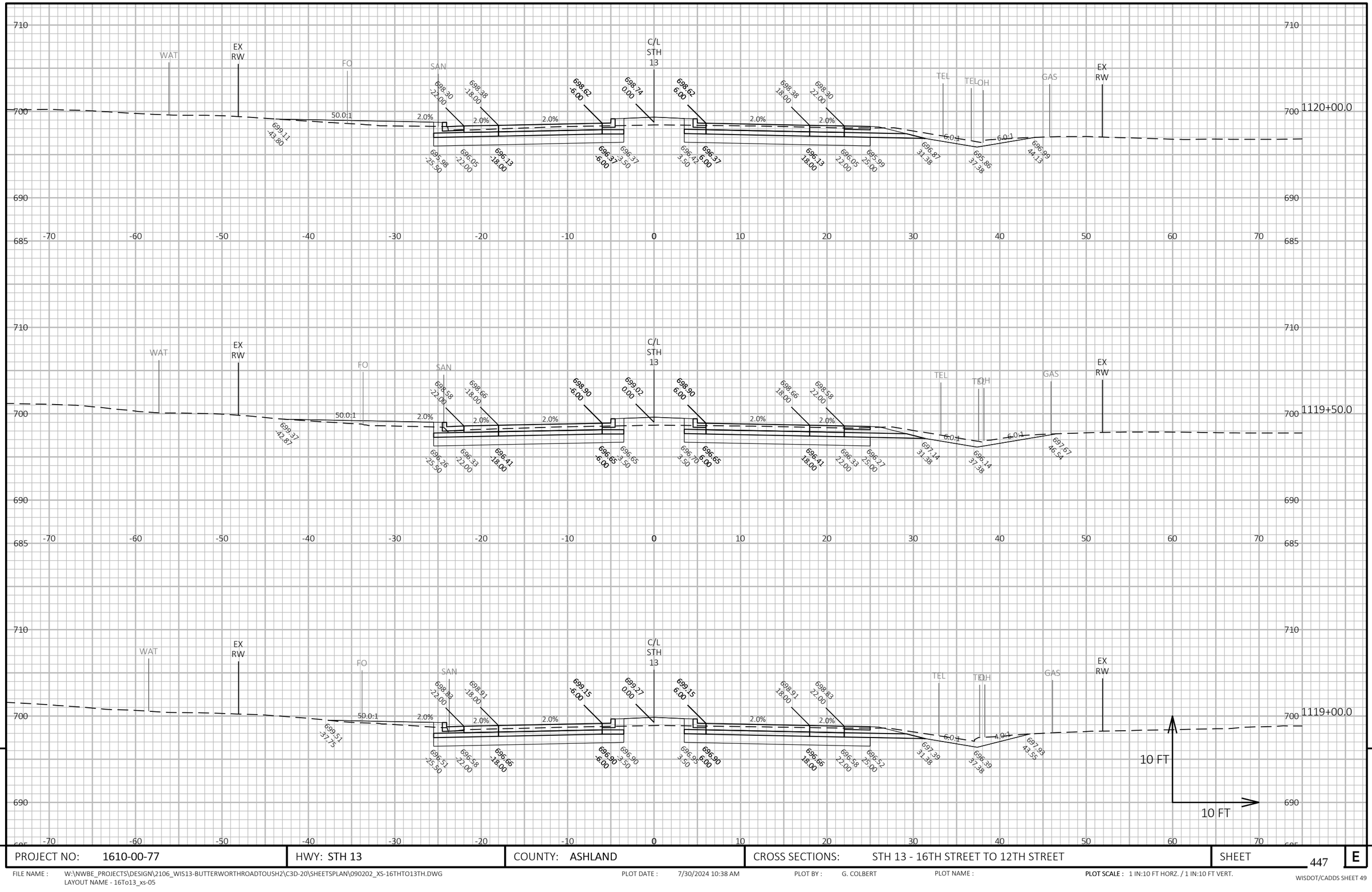


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 446 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-04

PLOT DATE : 7/30/2024 10:38 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

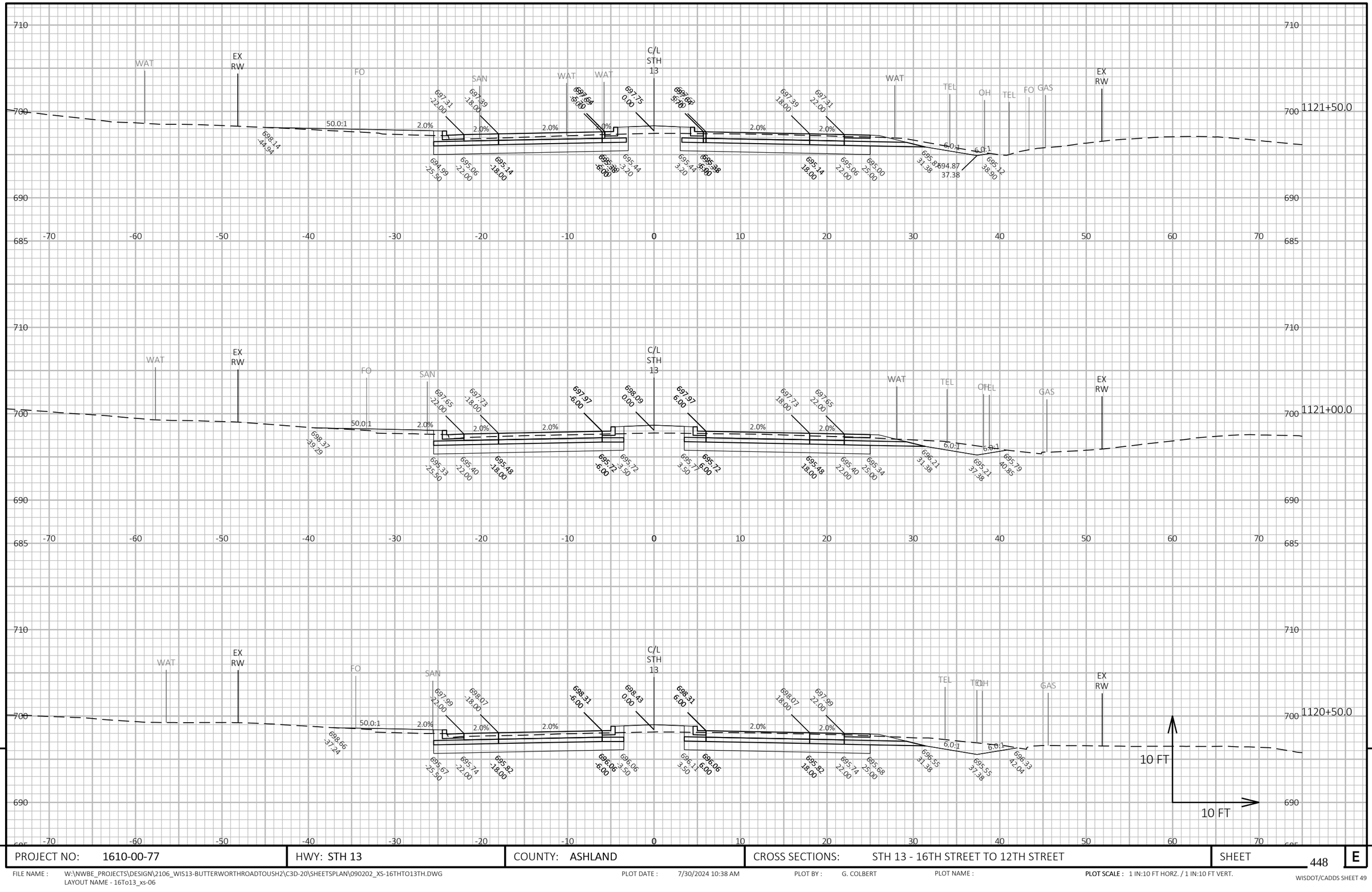
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 447	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-05

PLOT DATE : 7/30/2024 10:38 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 448	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-06

PLOT DATE : 7/30/2024 10:38 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

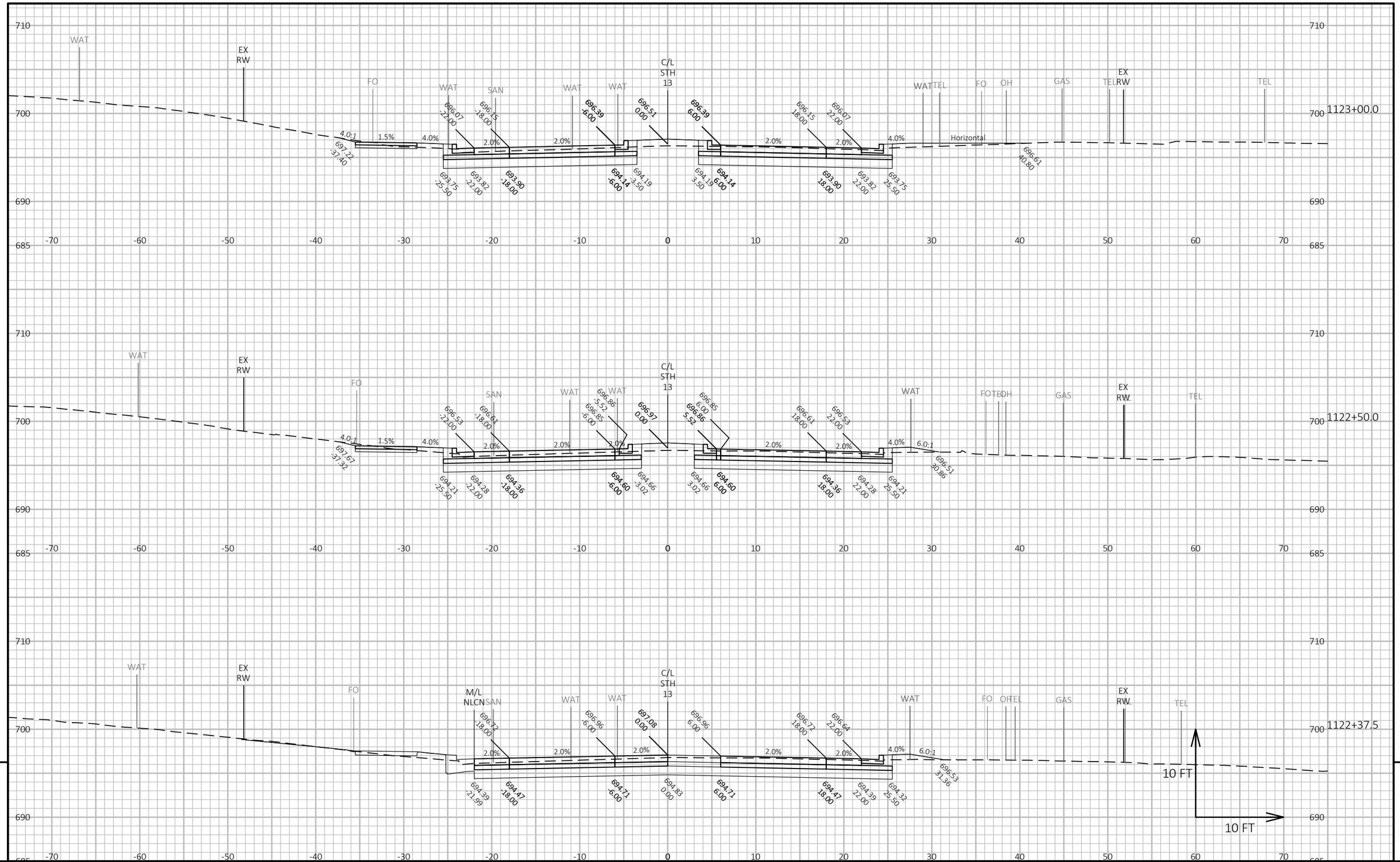
WISDOT/CADDS SHEET 49

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 449	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-07

PLOT DATE : 7/30/2024 10:38 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

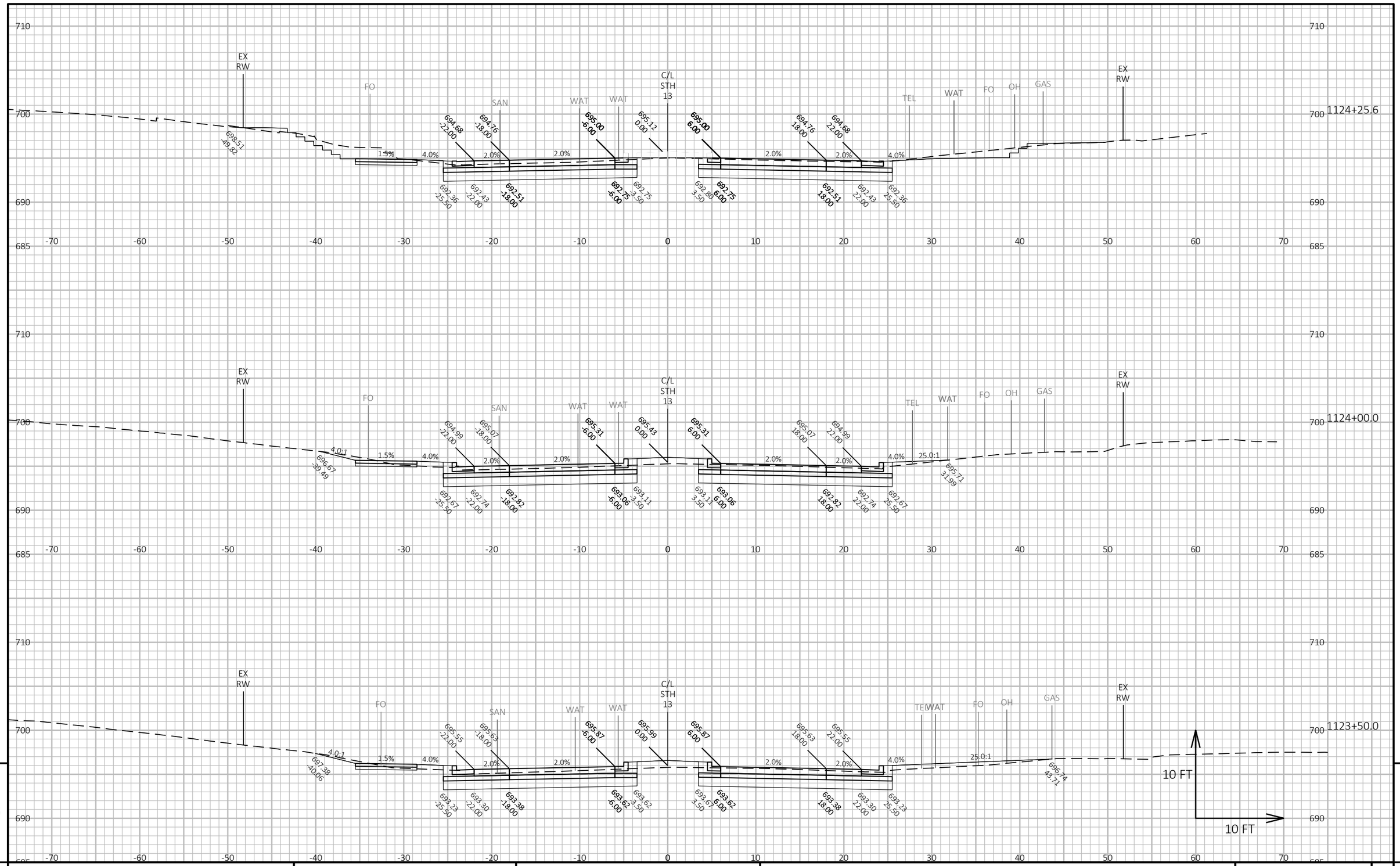


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 450 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-08

PLOT DATE : 7/30/2024 10:38 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

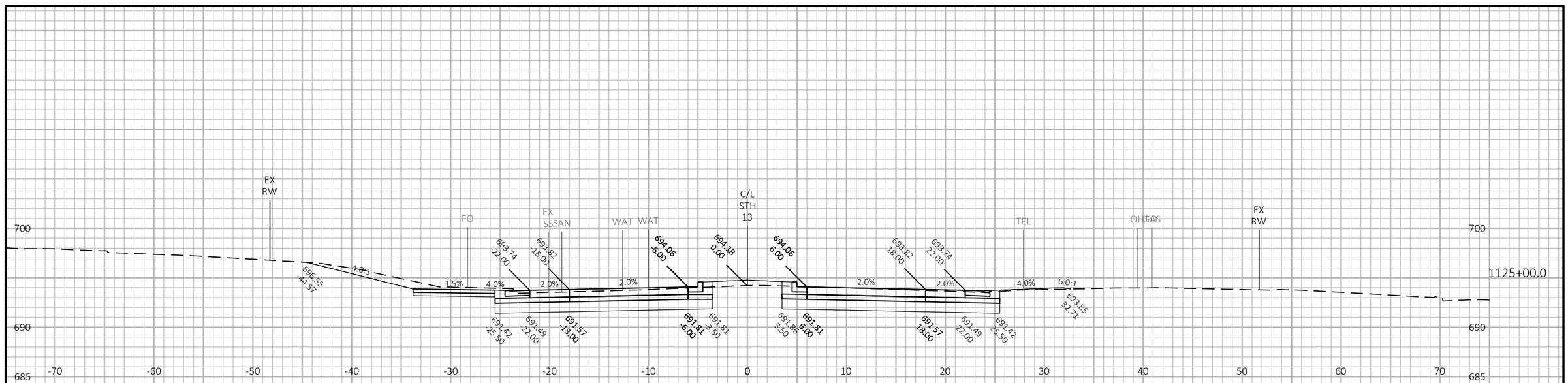
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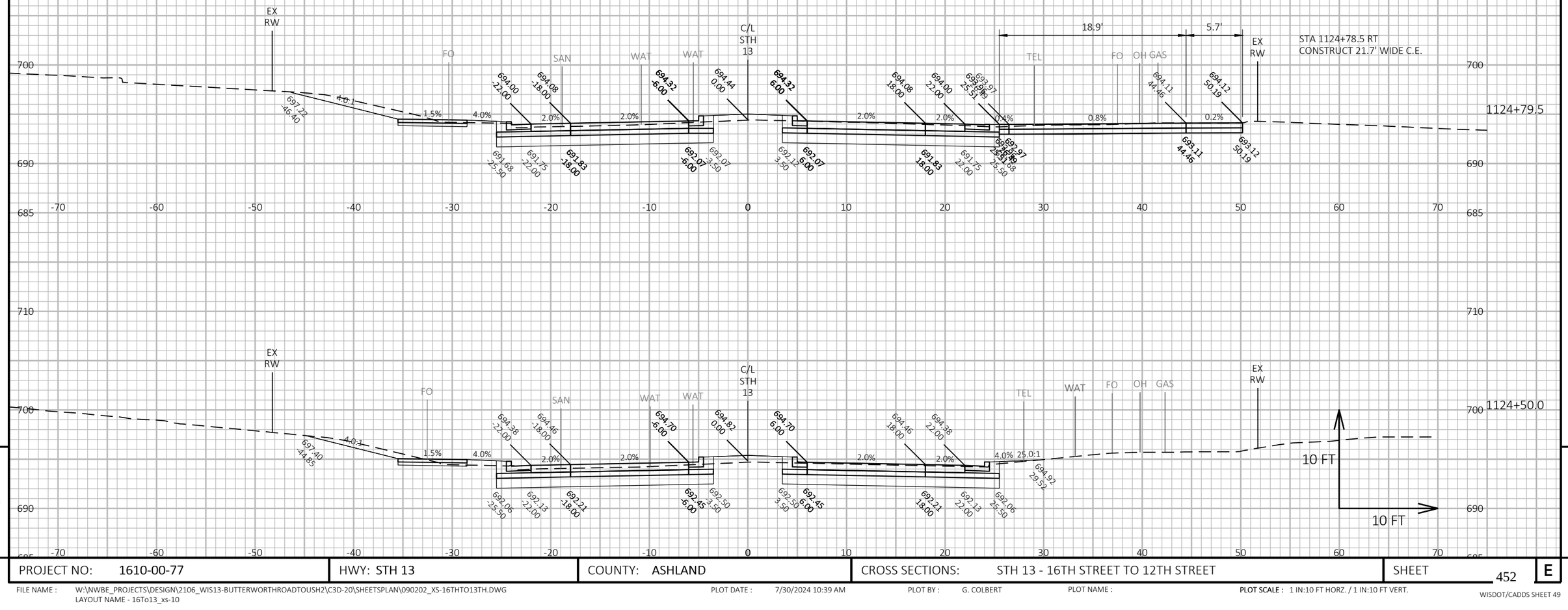
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 451	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-09

PLOT DATE : 7/30/2024 10:38 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





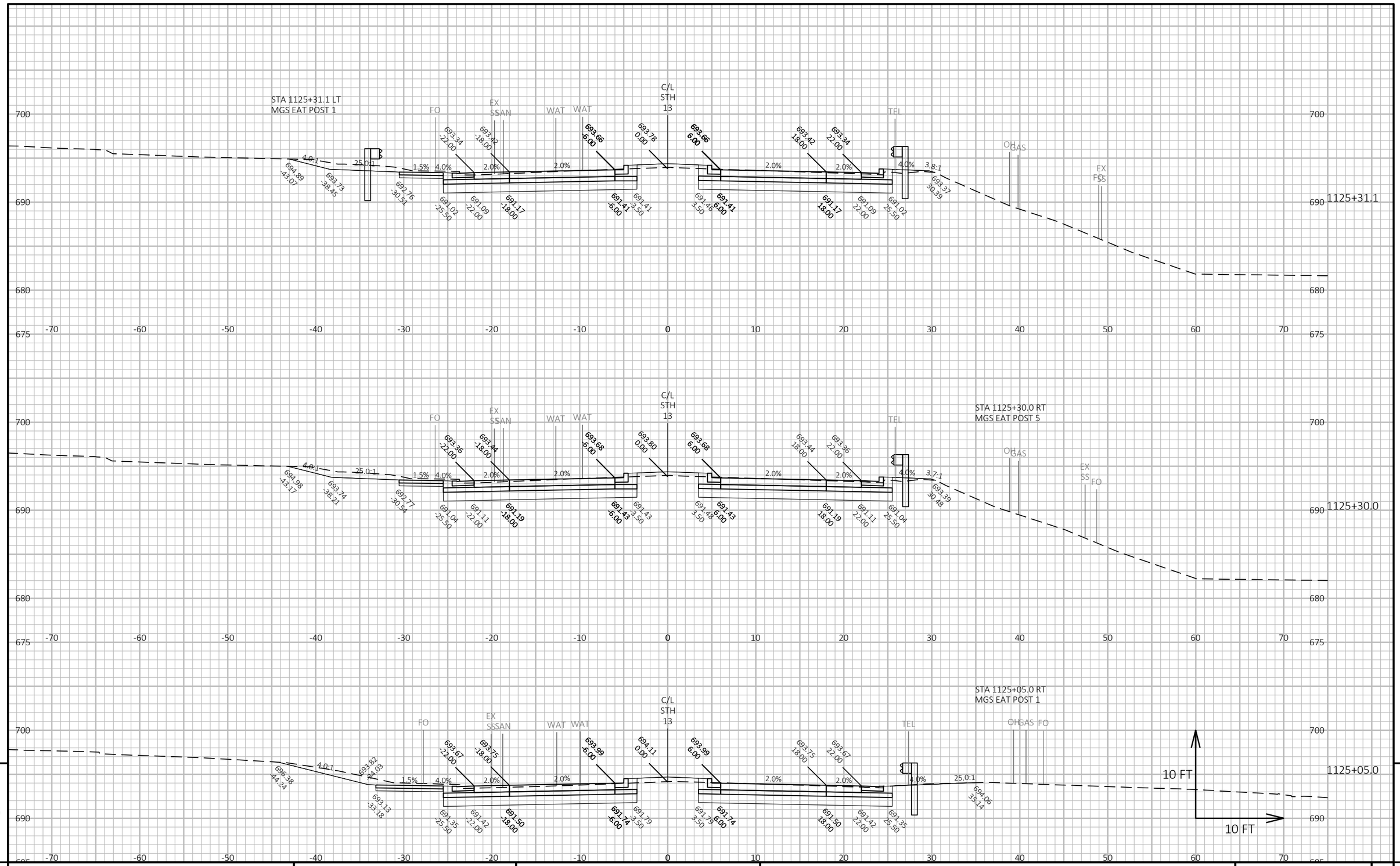
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 452	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-10

PLOT DATE : 7/30/2024 10:39 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

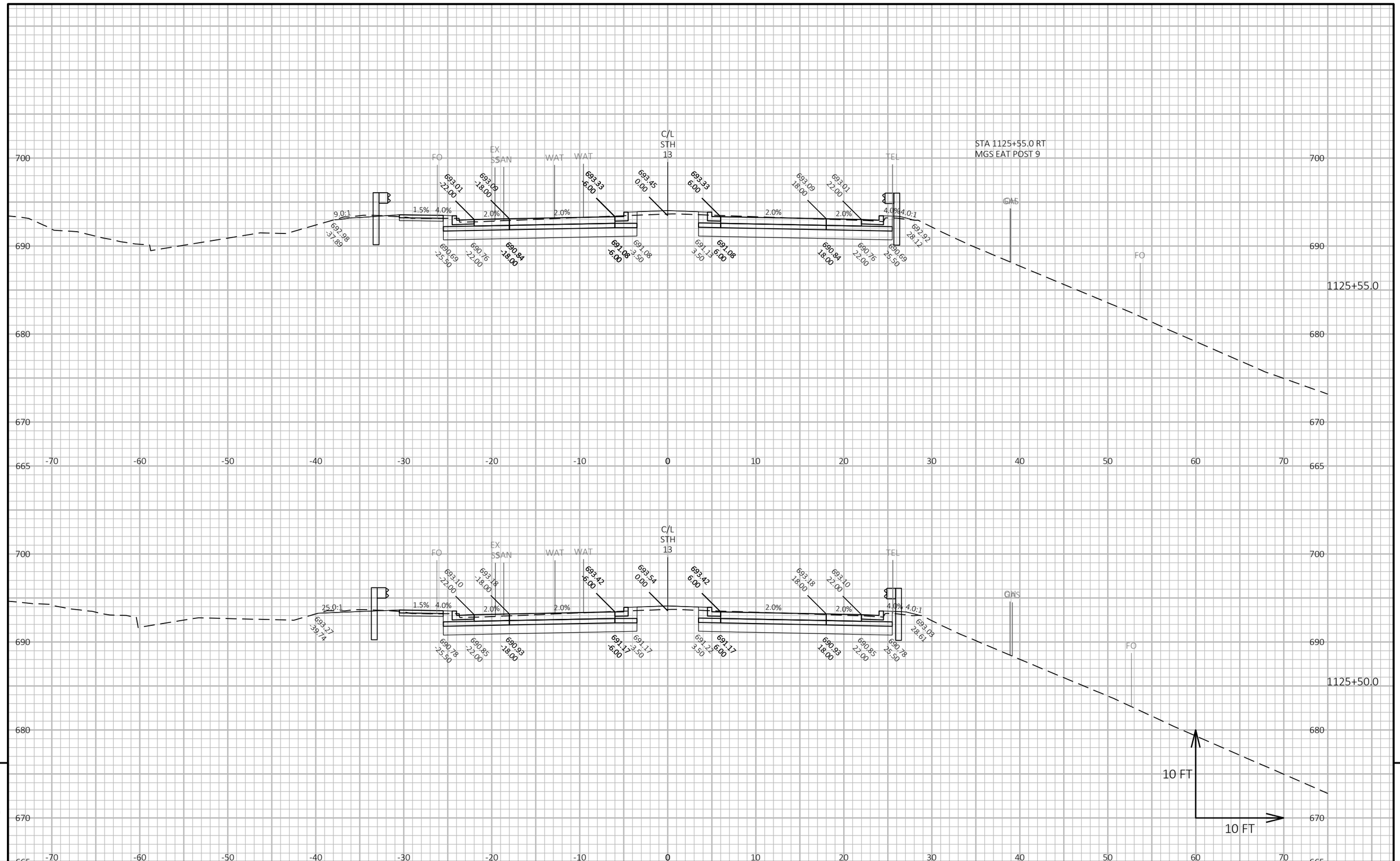
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 453	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-11

PLOT DATE : 7/30/2024 10:39 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



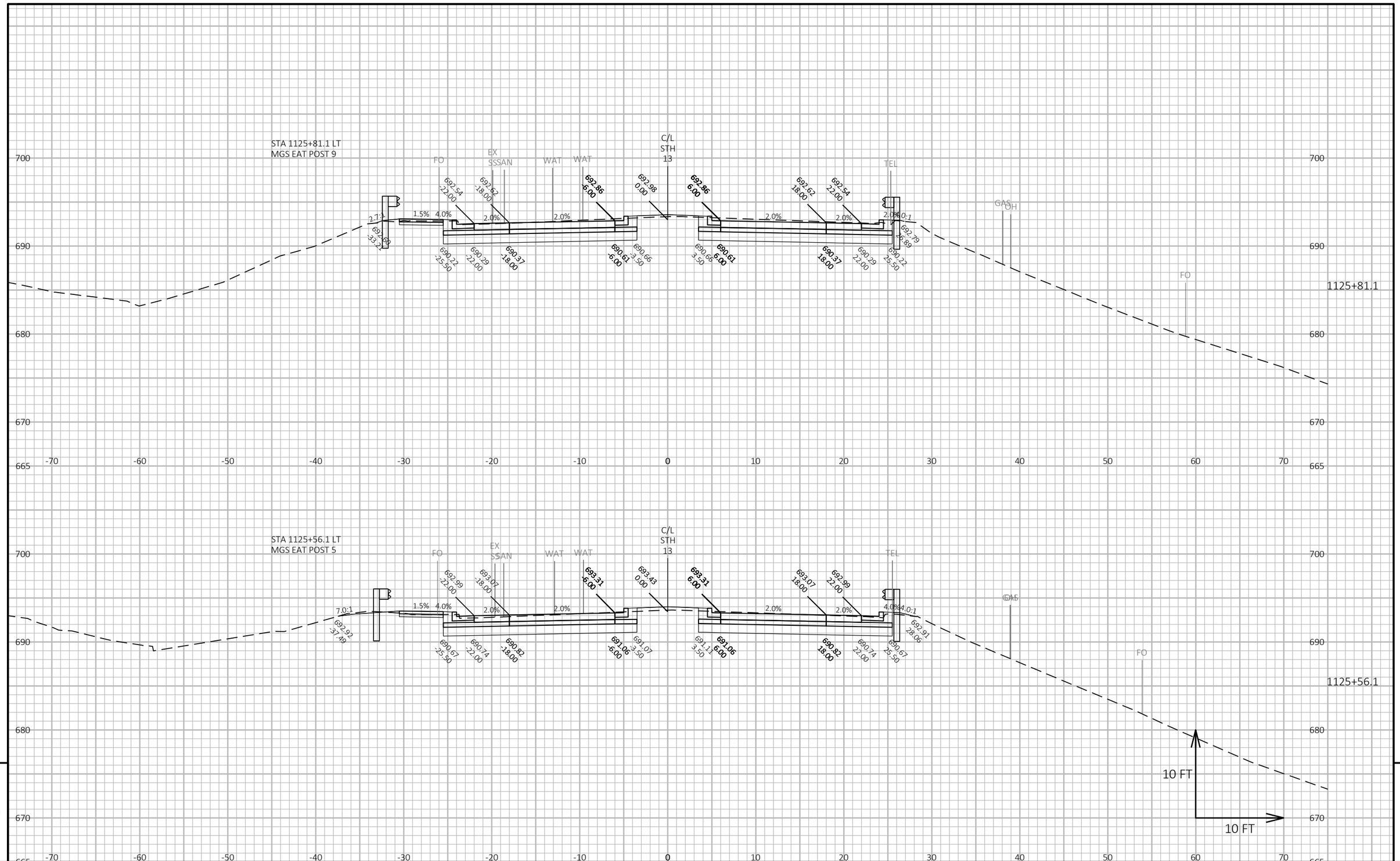
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 454	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-12

PLOT DATE : 7/30/2024 10:39 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



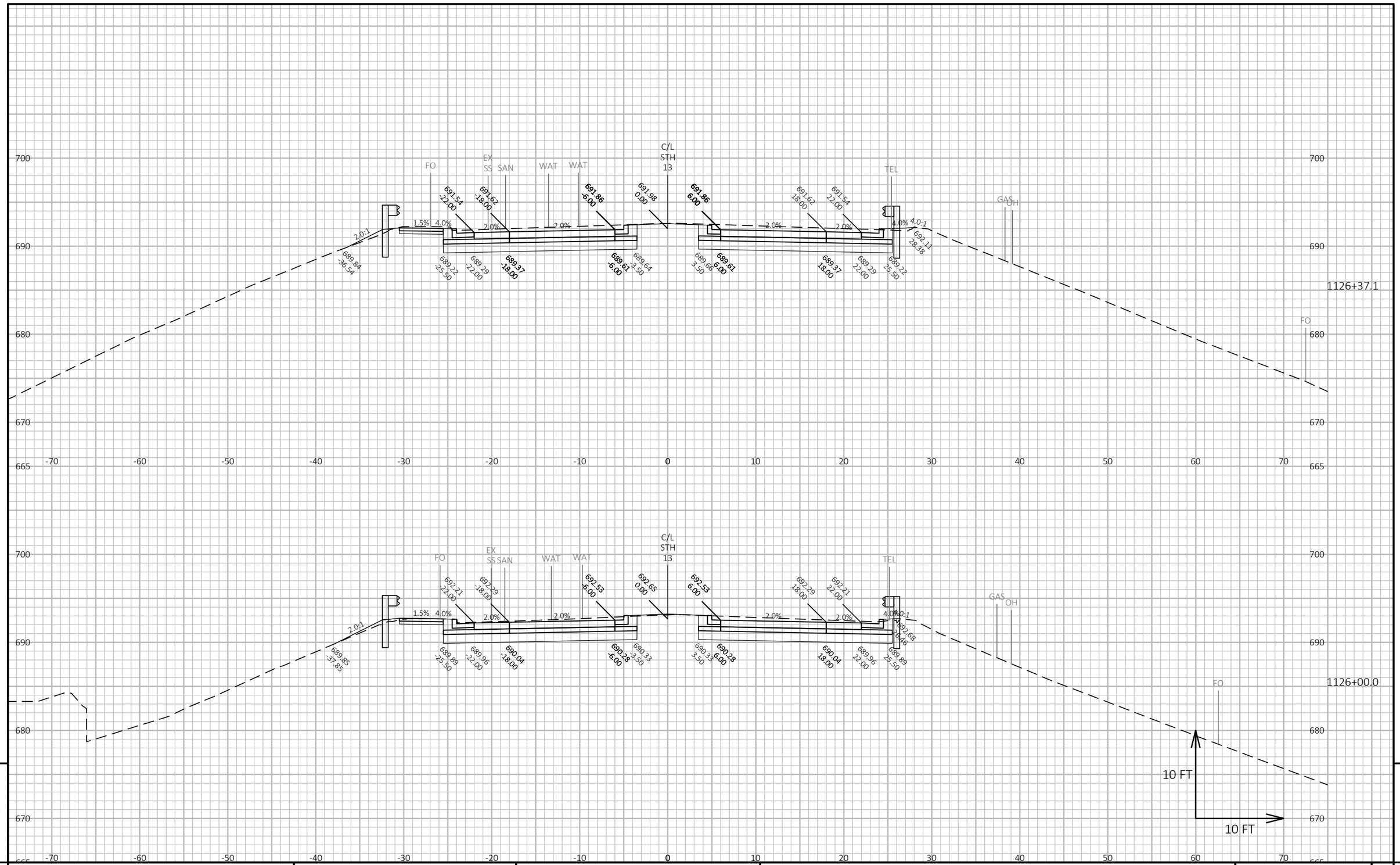
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 455	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-13

PLOT DATE : 7/30/2024 10:39 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



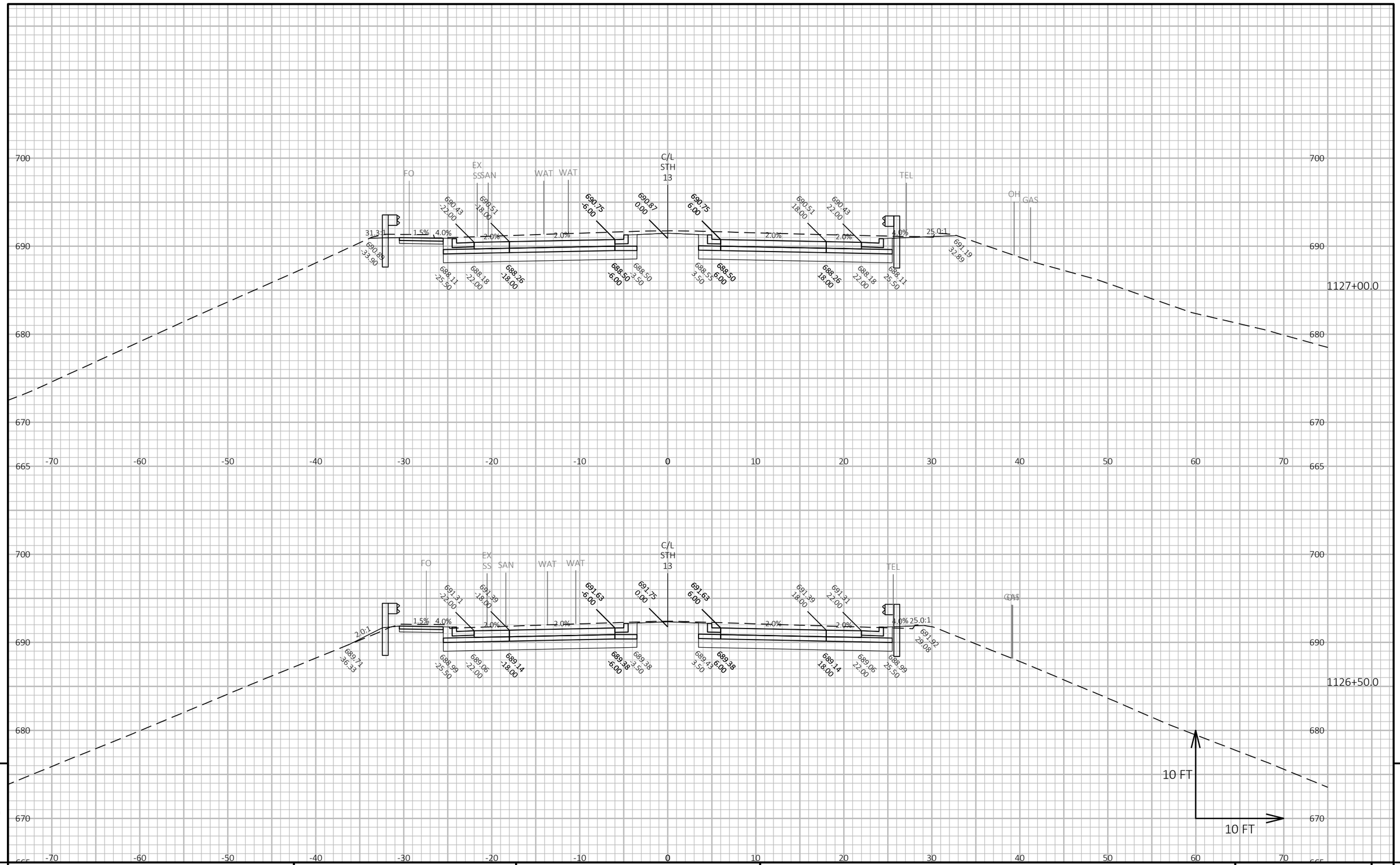
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 456	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-14

PLOT DATE : 7/30/2024 10:39 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

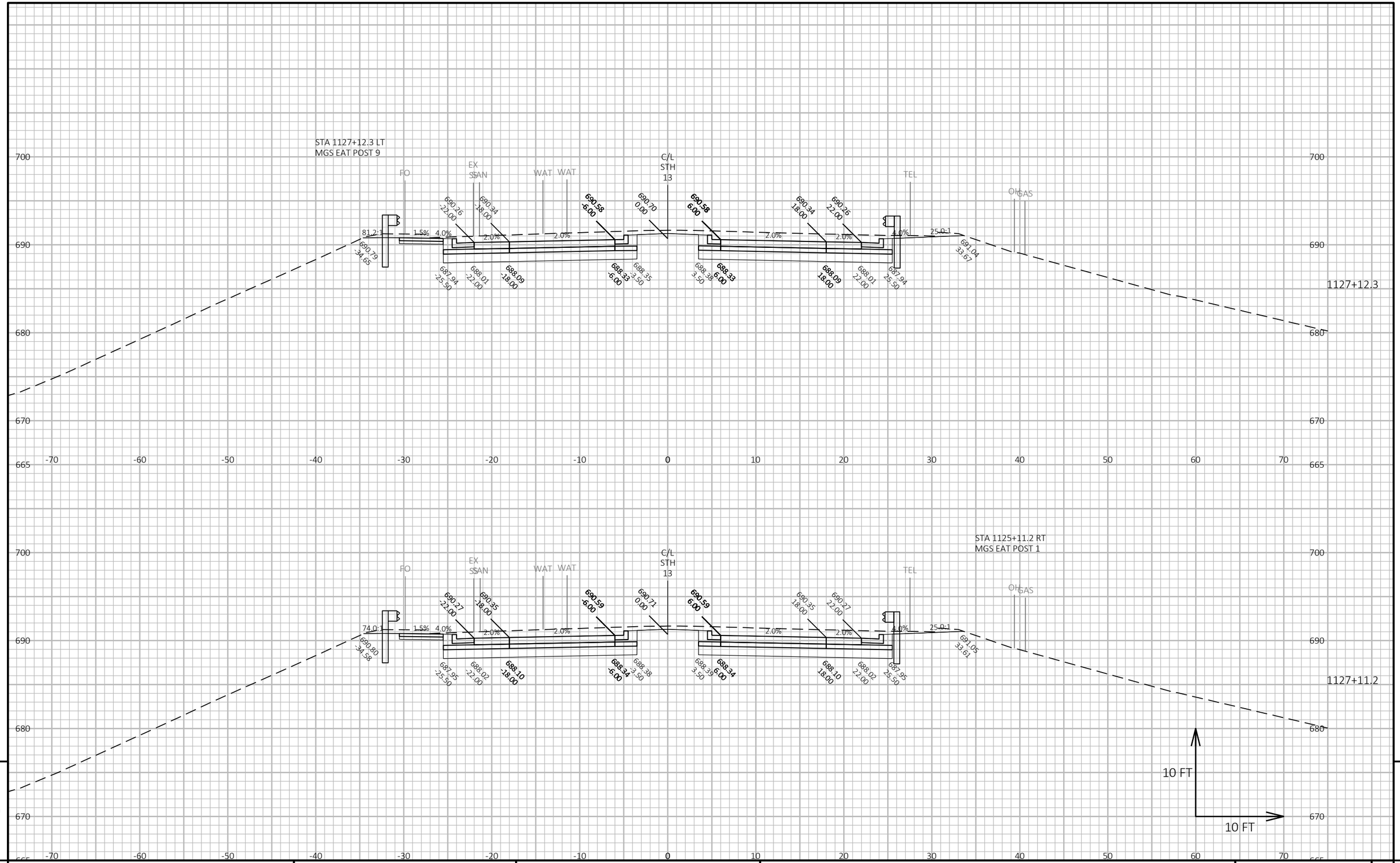


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 457 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-15

PLOT DATE : 7/30/2024 10:39 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

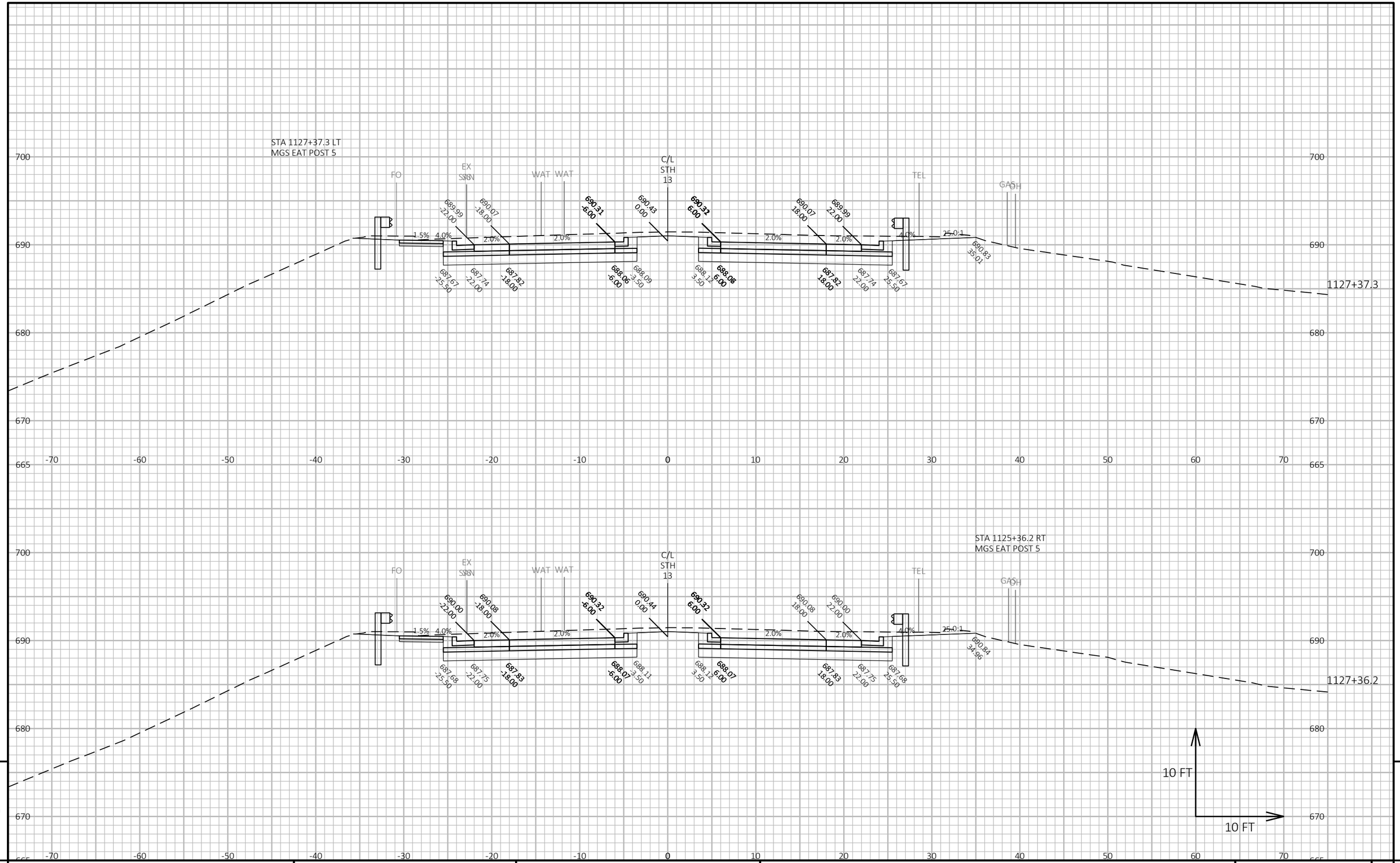


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 458 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-16

PLOT DATE : 7/30/2024 10:39 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

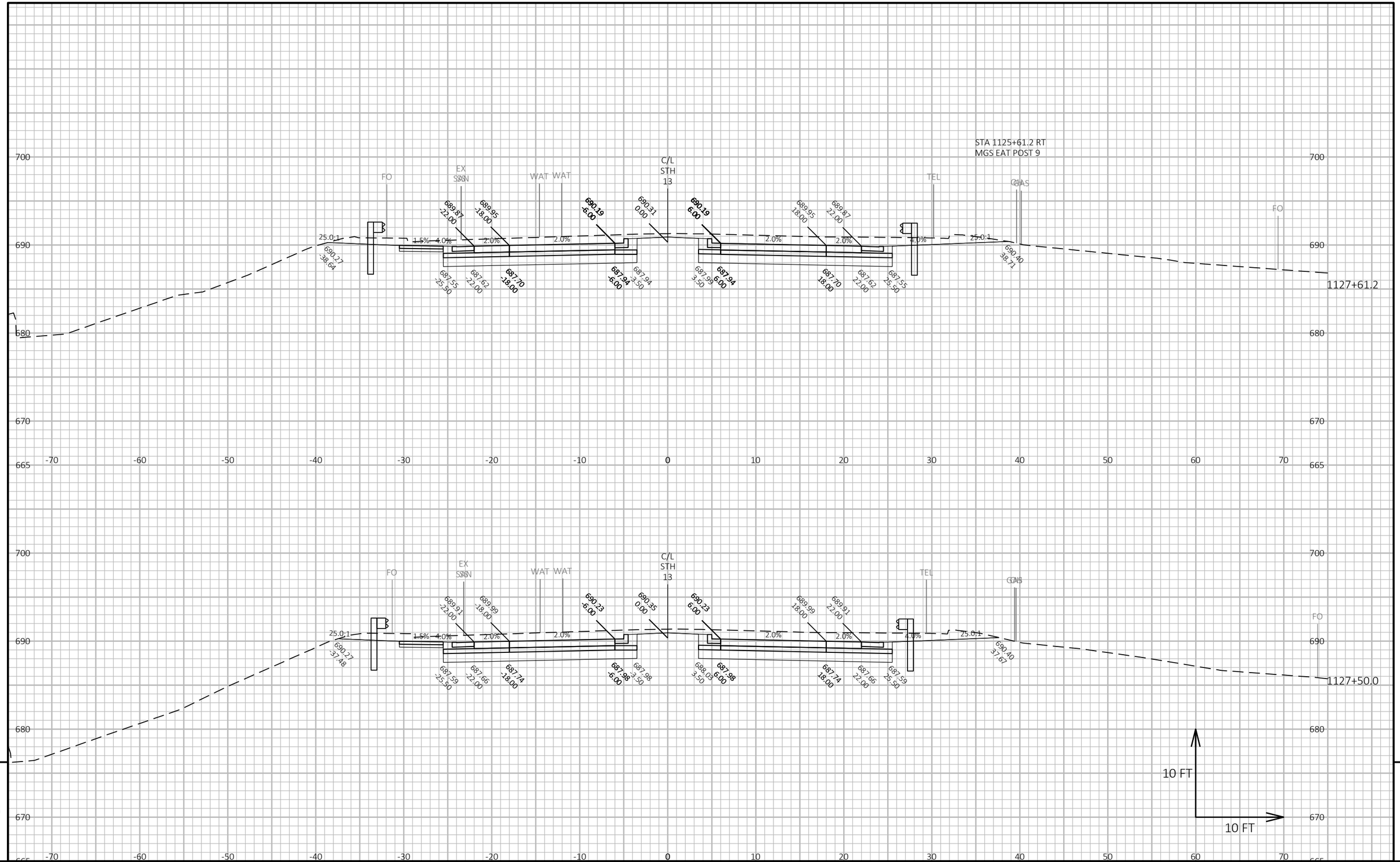
WISDOT/CADDS SHEET 49



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 459	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-17

PLOT DATE : 7/30/2024 10:39 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

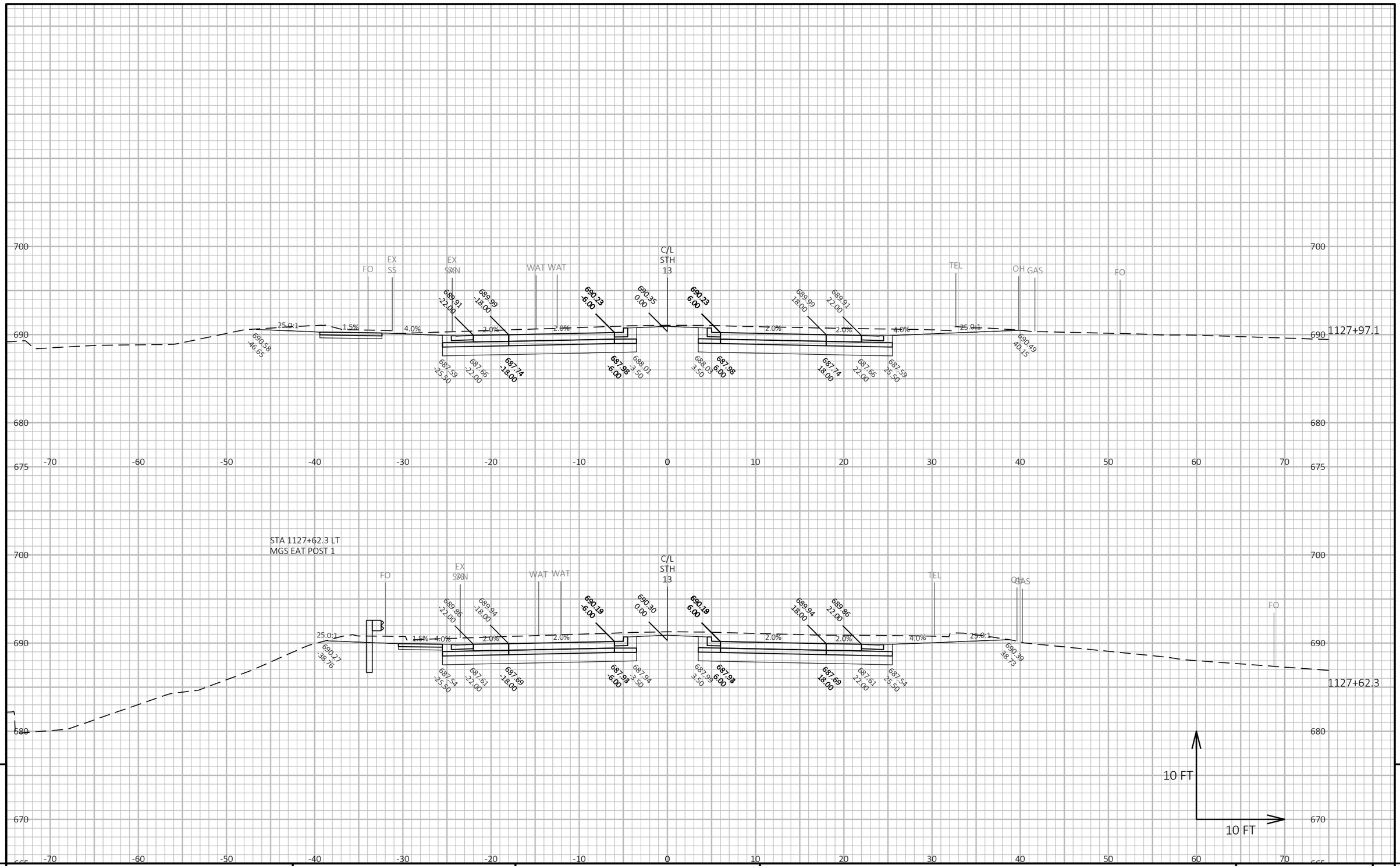


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 460	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-18

PLOT DATE : 7/30/2024 10:39 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

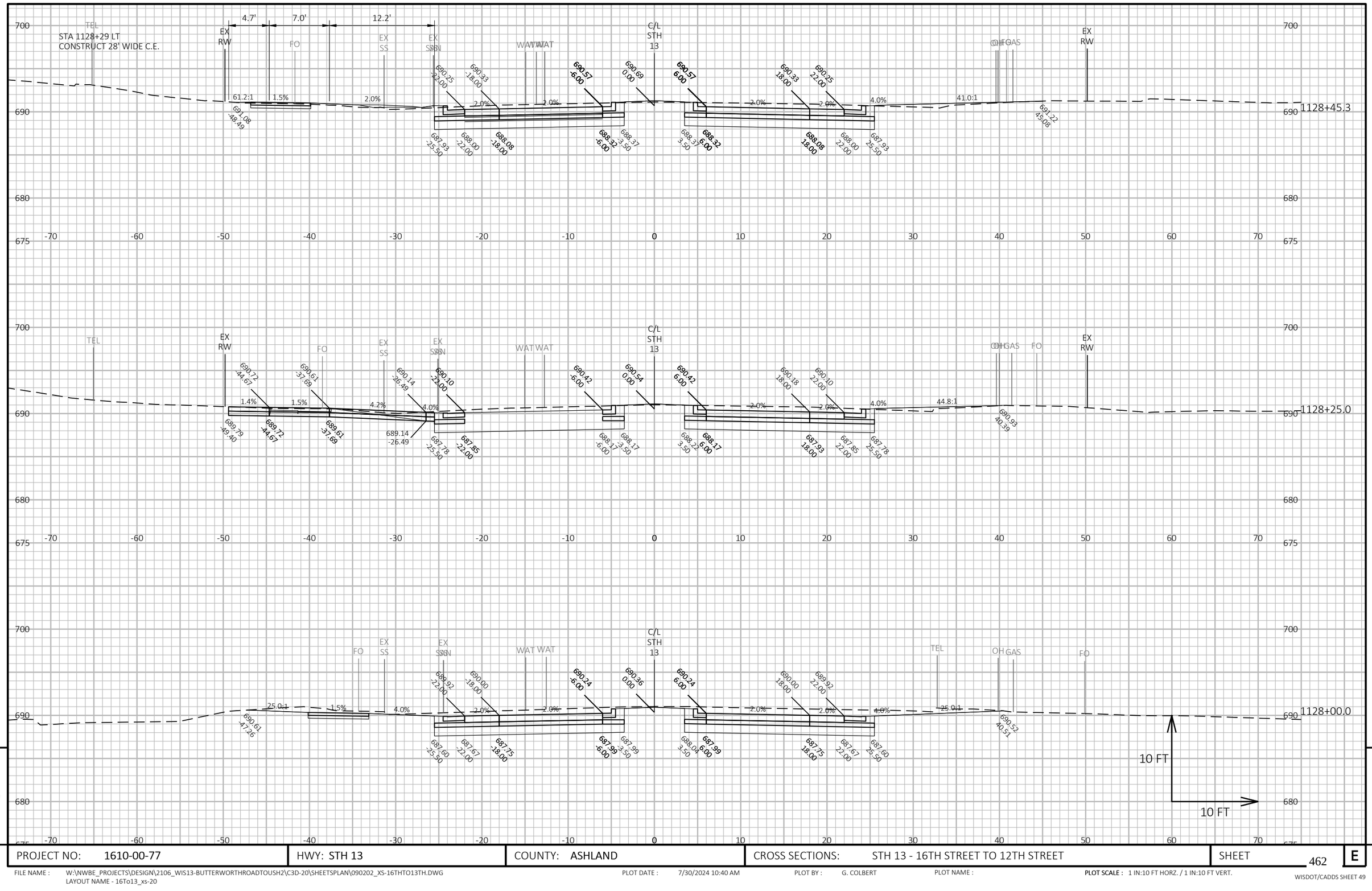
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 461	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-19

PLOT DATE : 7/30/2024 10:39 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

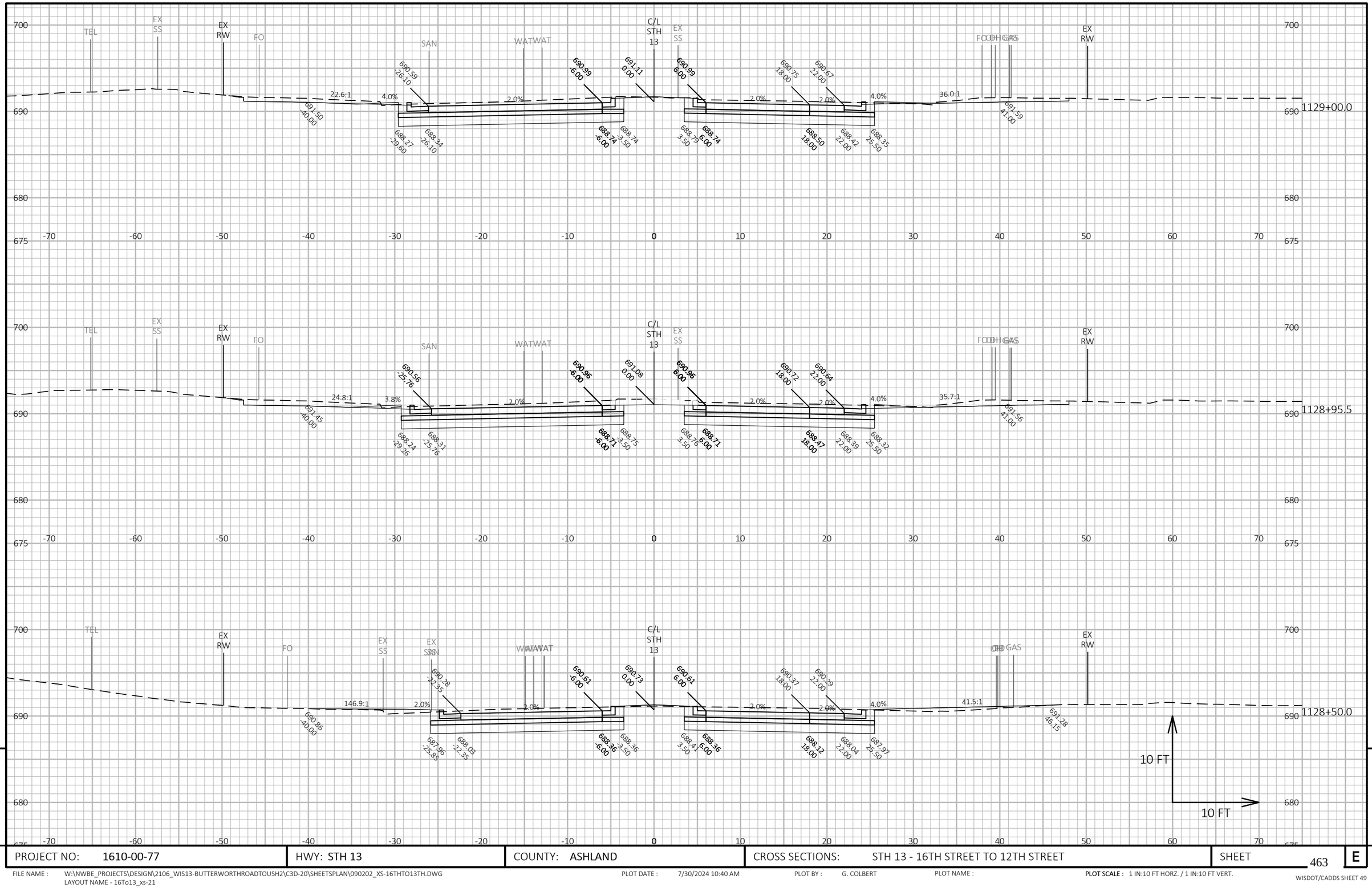


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 462	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-20

PLOT DATE : 7/30/2024 10:40 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



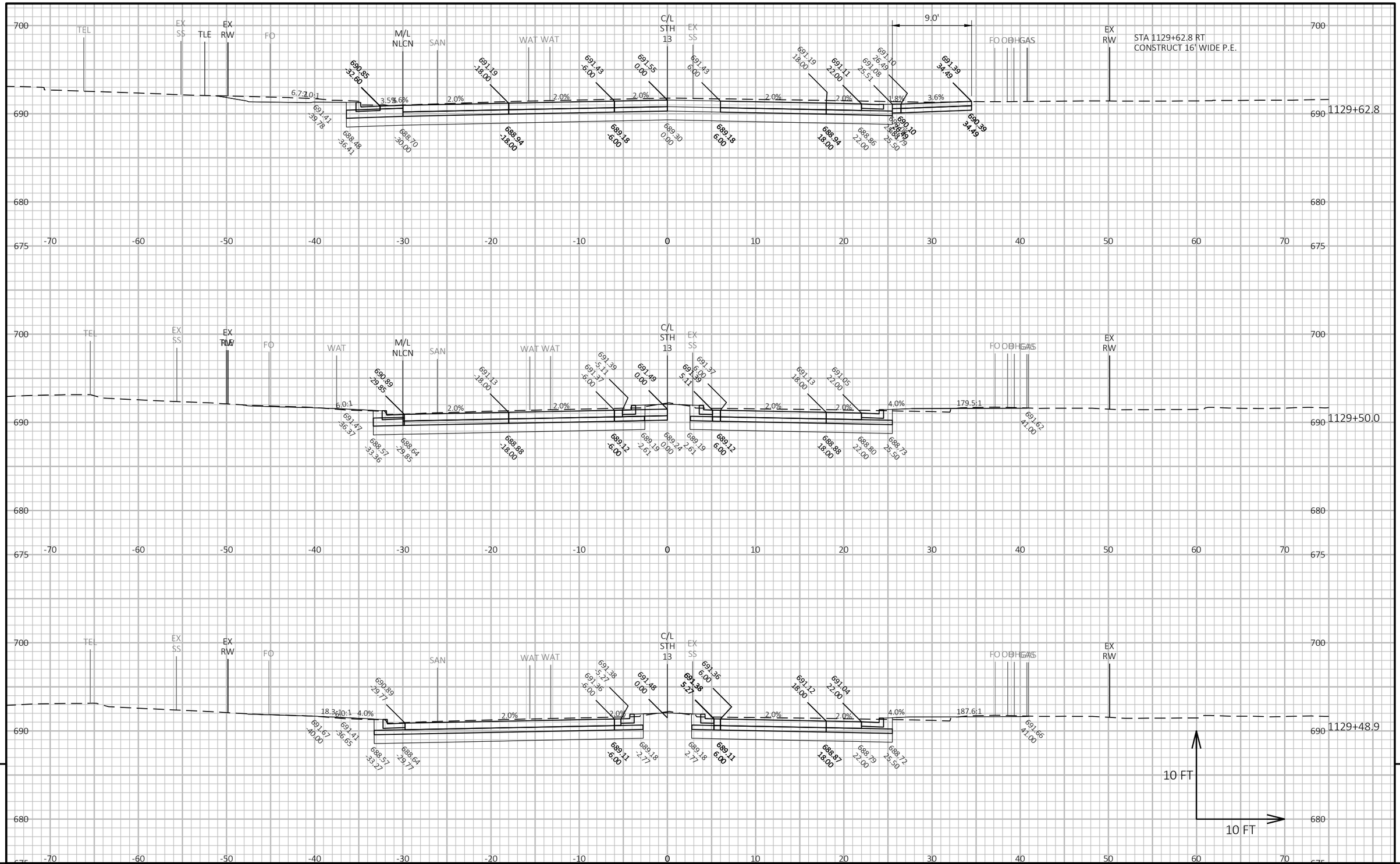
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 463	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-21

PLOT DATE : 7/30/2024 10:40 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

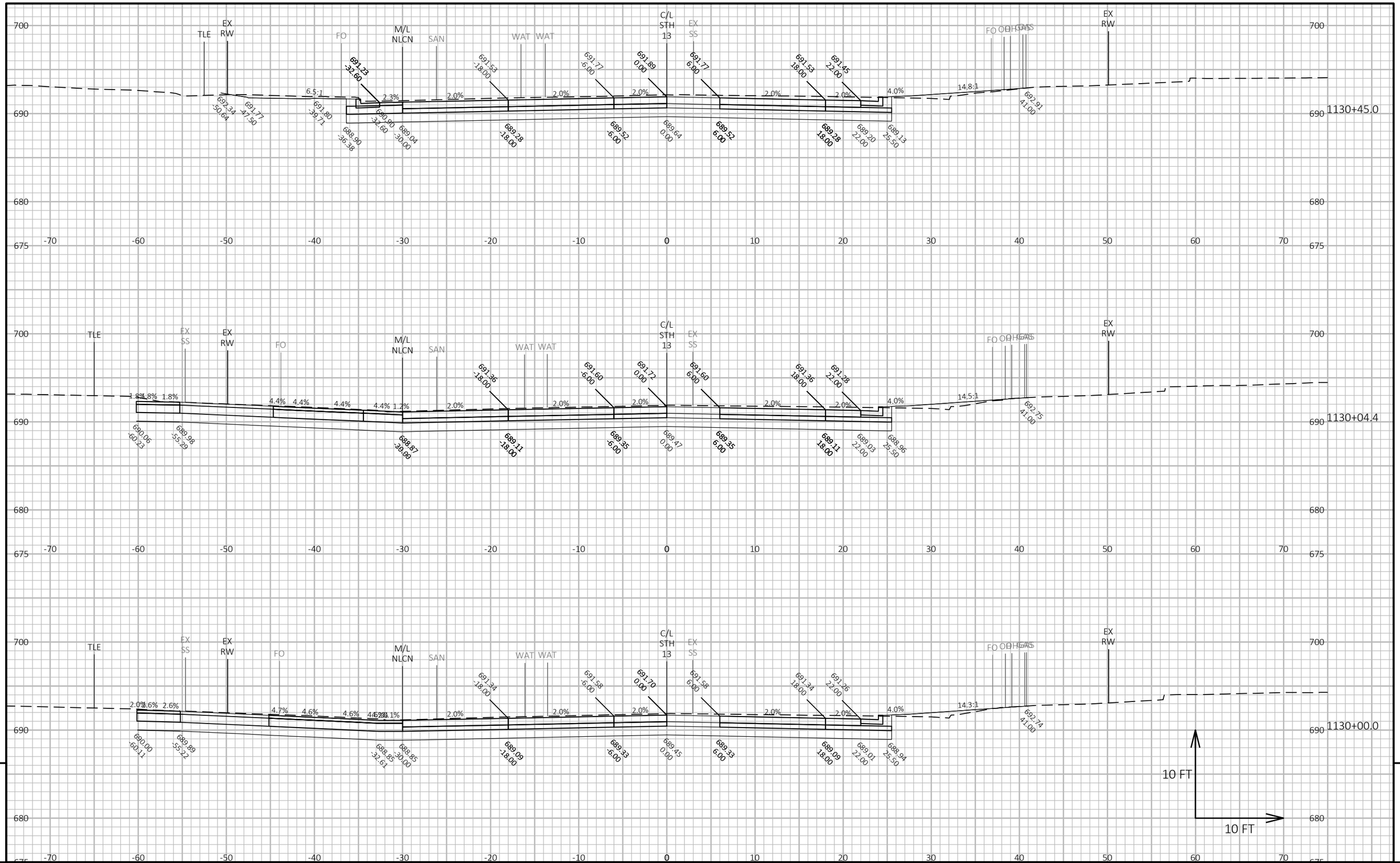


9 9

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 464	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-22

PLOT DATE : 7/30/2024 10:40 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

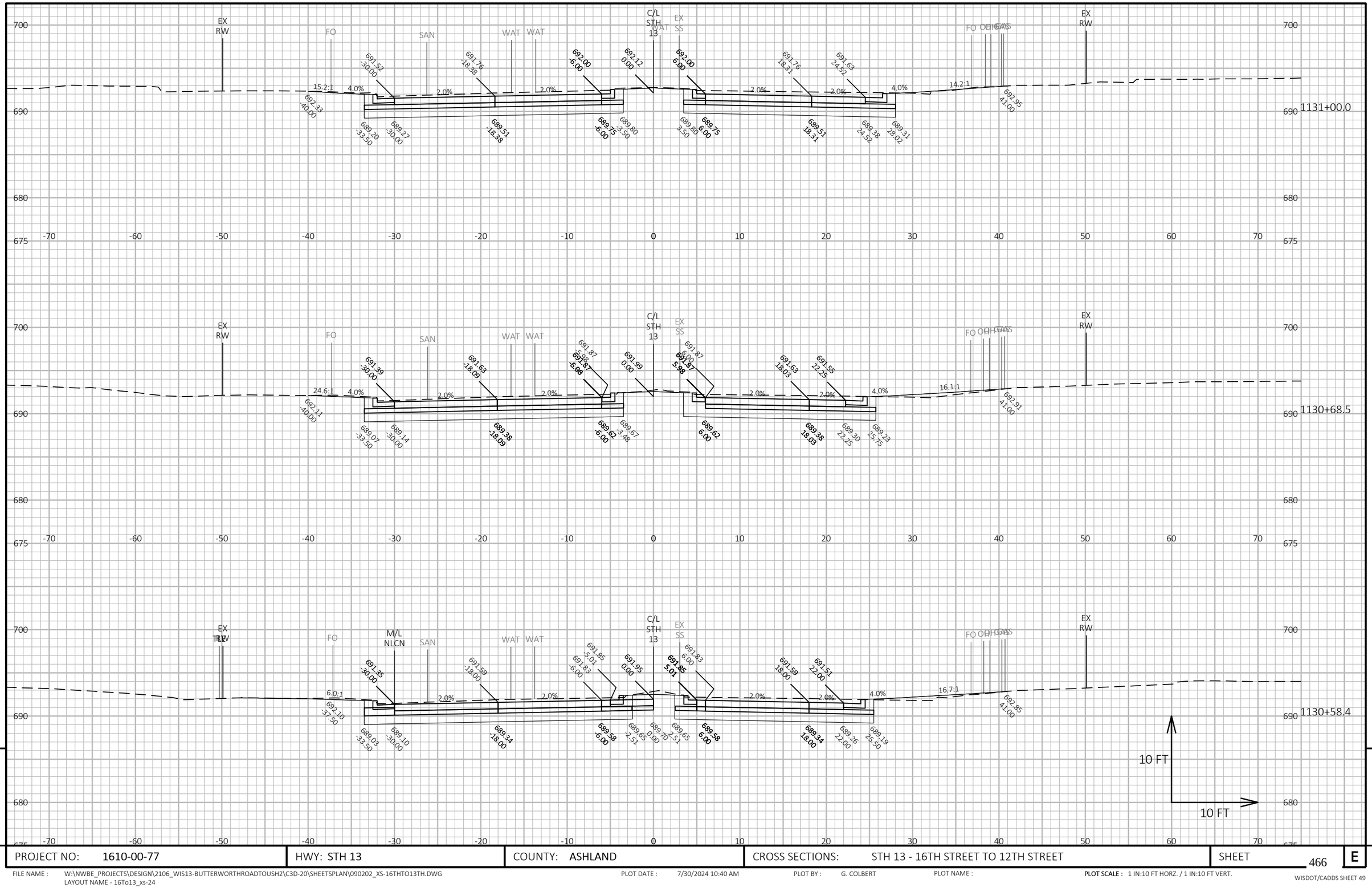


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 465 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-23

PLOT DATE : 7/30/2024 10:40 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

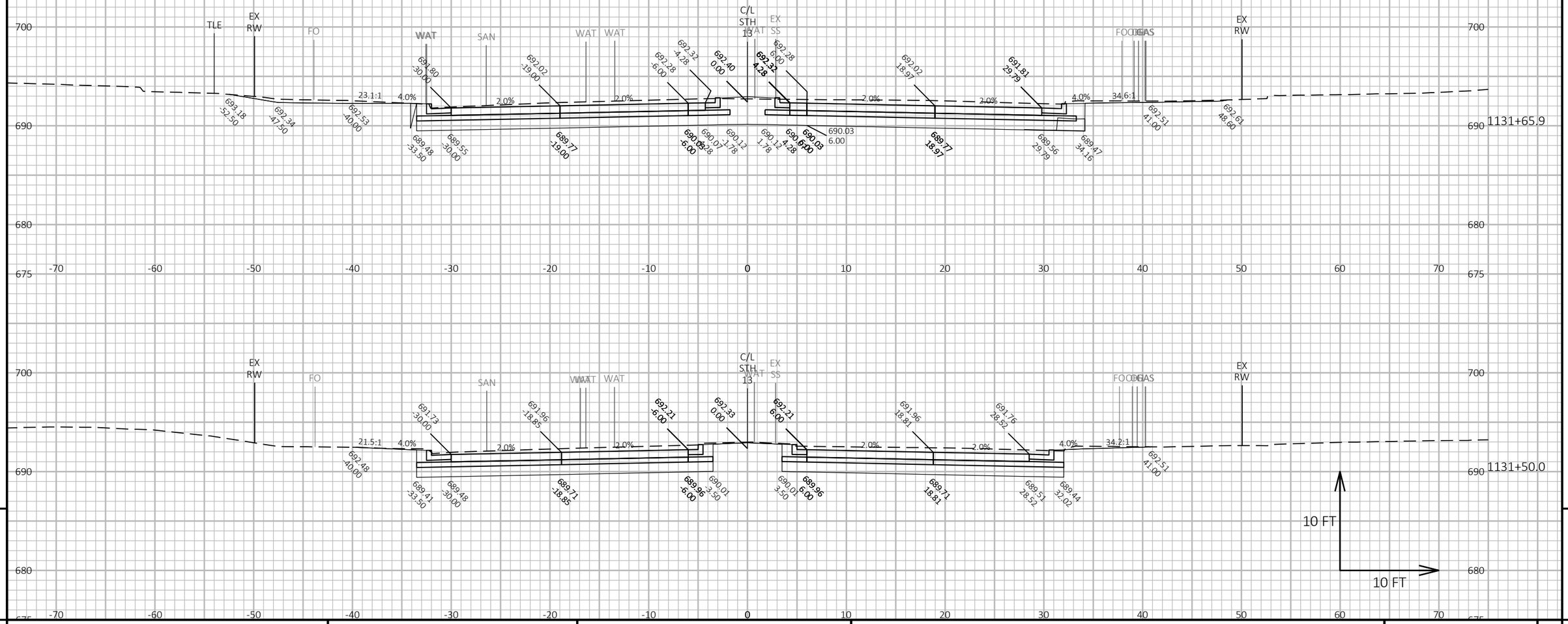
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 466	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-24

PLOT DATE : 7/30/2024 10:40 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

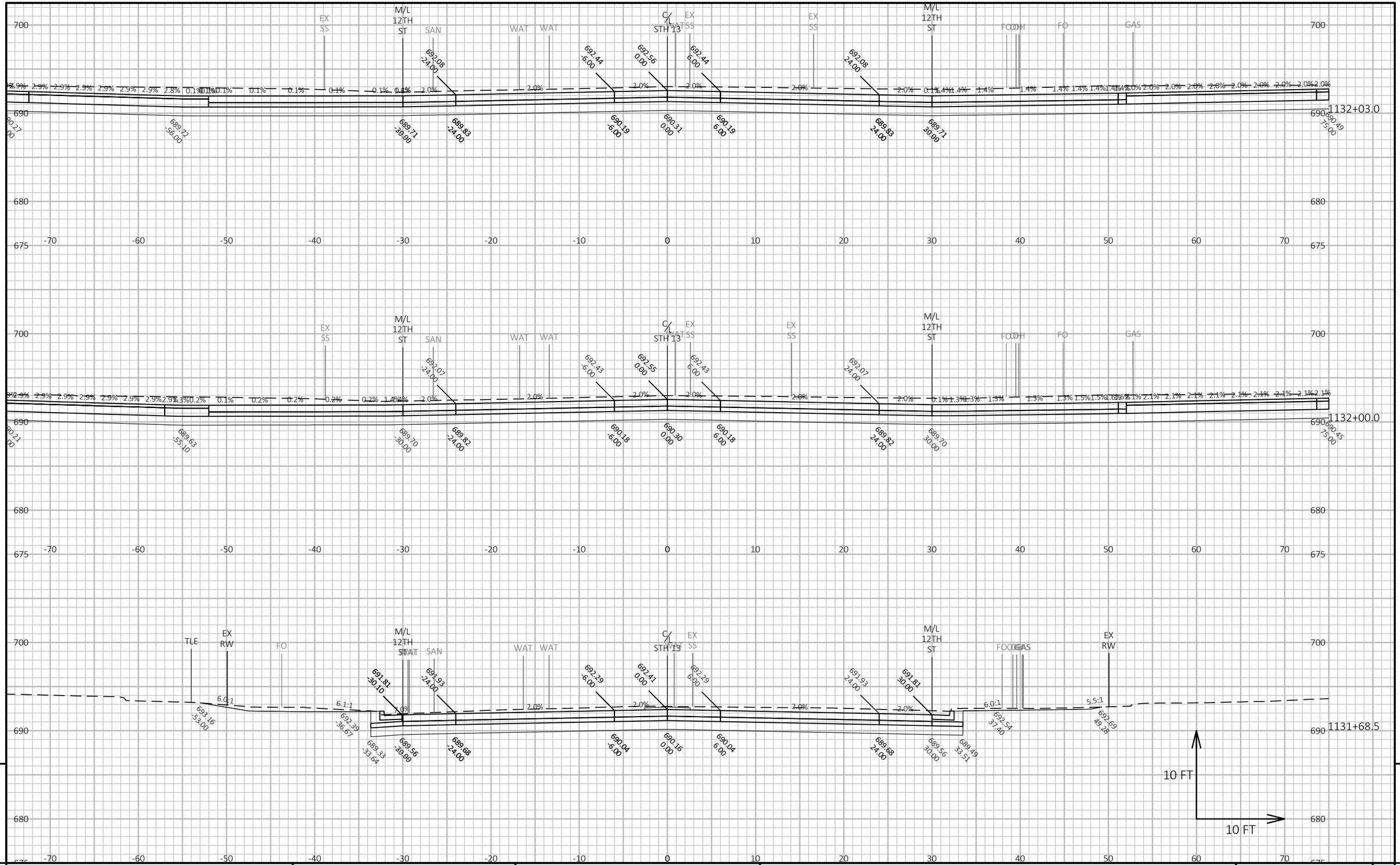


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 16TH STREET TO 12TH STREET	SHEET 467	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090202_XS-16THTO13TH.DWG
LAYOUT NAME - 16To13_xs-25

PLOT DATE : 7/30/2024 10:40 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



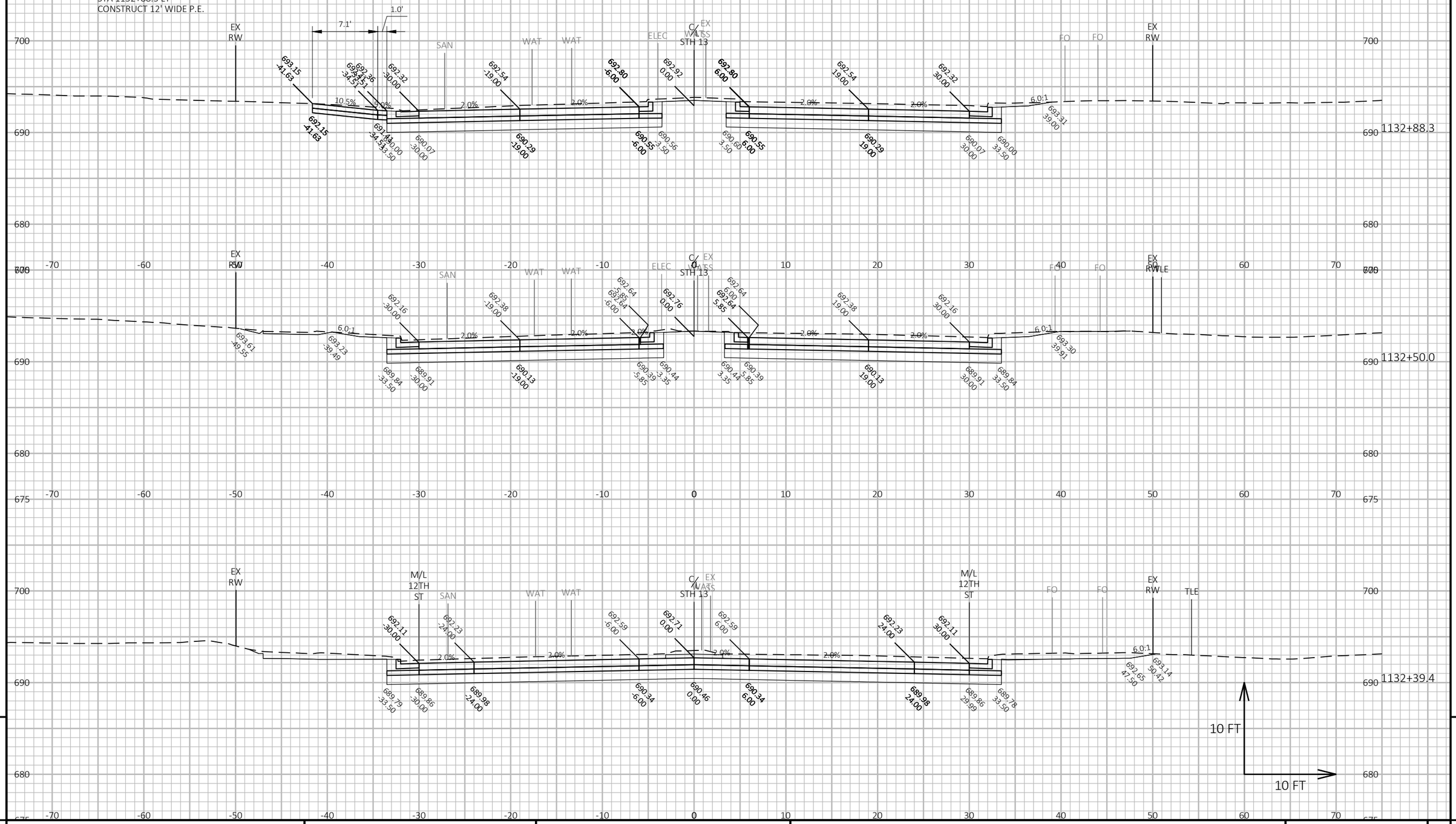
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 12TH STREET TO 9TH STREET	SHEET 468 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090203_XS-12THTO10TH.DWG
LAYOUT NAME - 12To10_xs-01

PLOT DATE : 7/30/2024 11:00 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STA 1132+88.5 LT
CONSTRUCT 12' WIDE P.E.

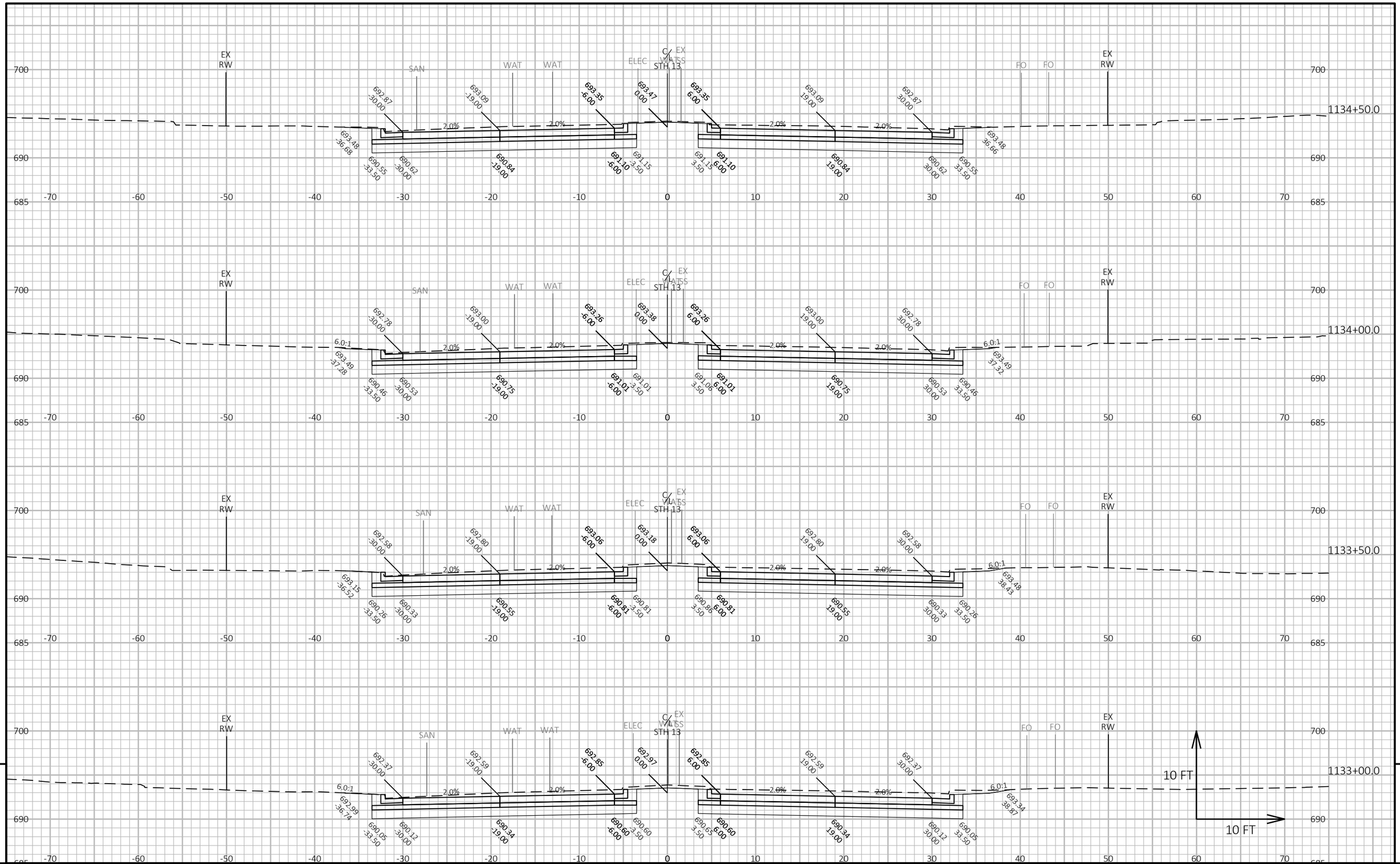


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 12TH STREET TO 9TH STREET	SHEET 469	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090203_XS-12THTO10TH.DWG
LAYOUT NAME - 12To10_xs-02

PLOT DATE : 7/30/2024 11:00 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

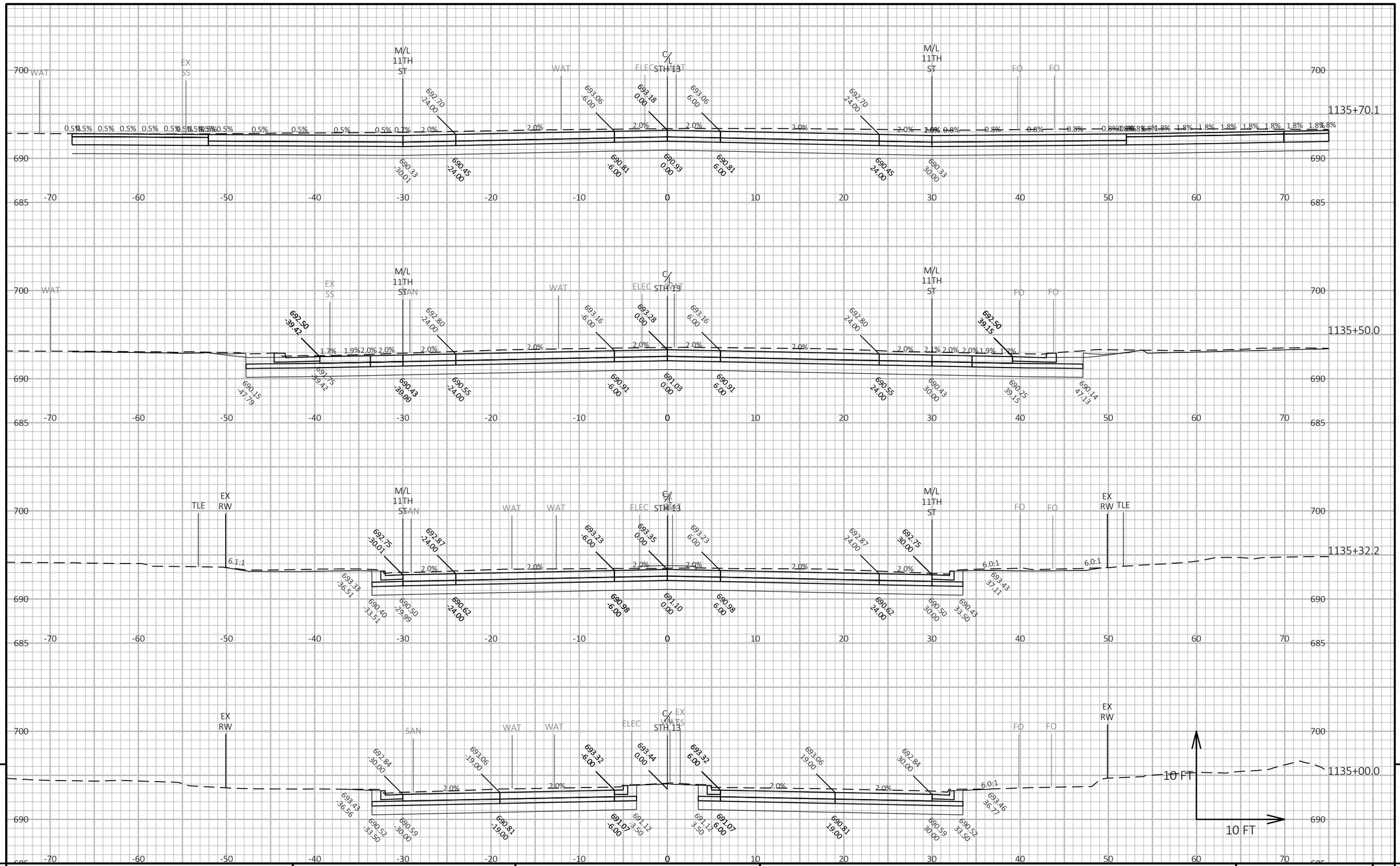
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 12TH STREET TO 9TH STREET	SHEET 470	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090203_XS-12THTO10TH.DWG
LAYOUT NAME - 12To10_xs-03

PLOT DATE : 7/30/2024 11:00 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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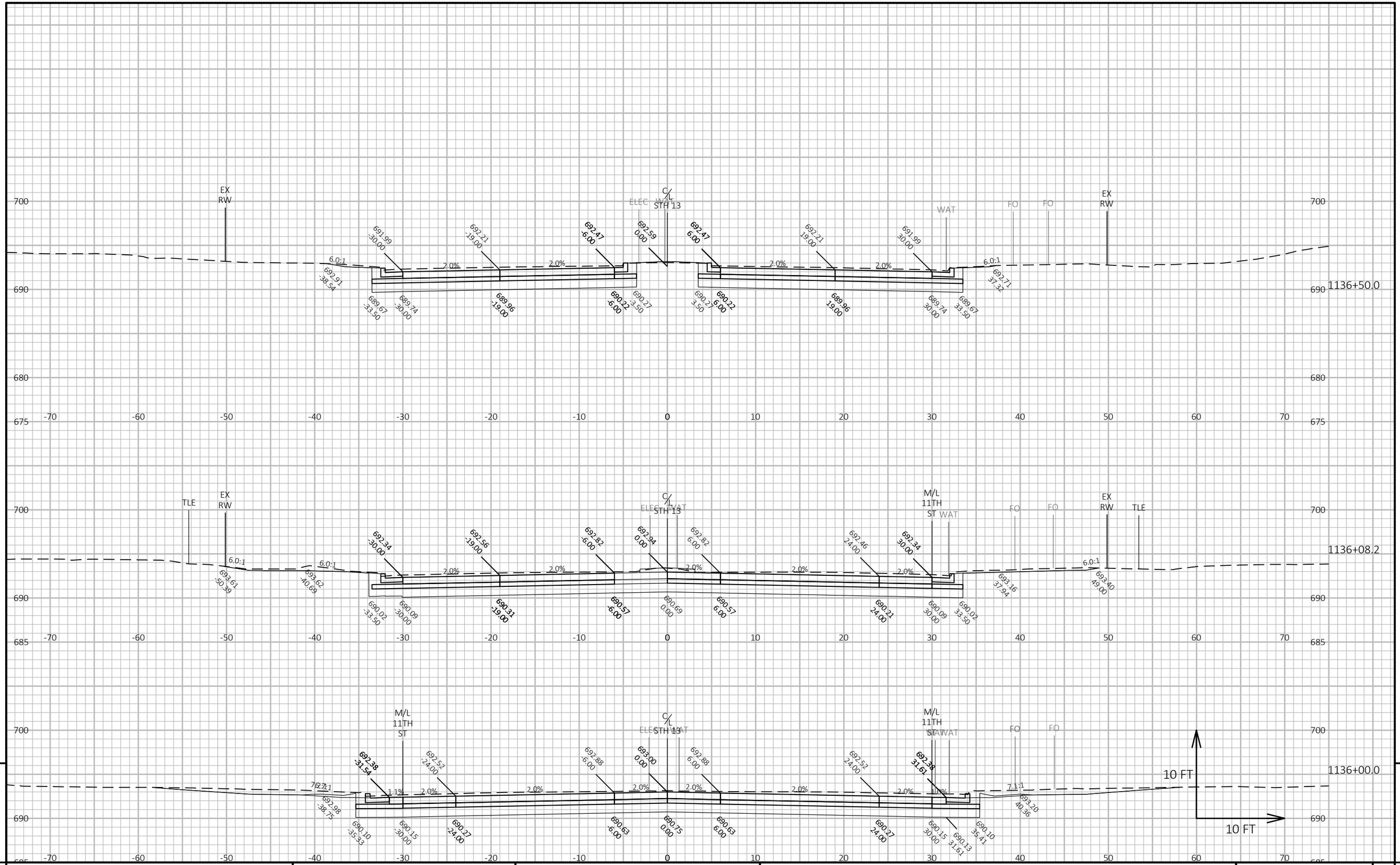
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 12TH STREET TO 9TH STREET	SHEET 471	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090203_XS-12THTO10TH.DWG
LAYOUT NAME - 12To10_xs-04

PLOT DATE : 7/30/2024 11:00 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



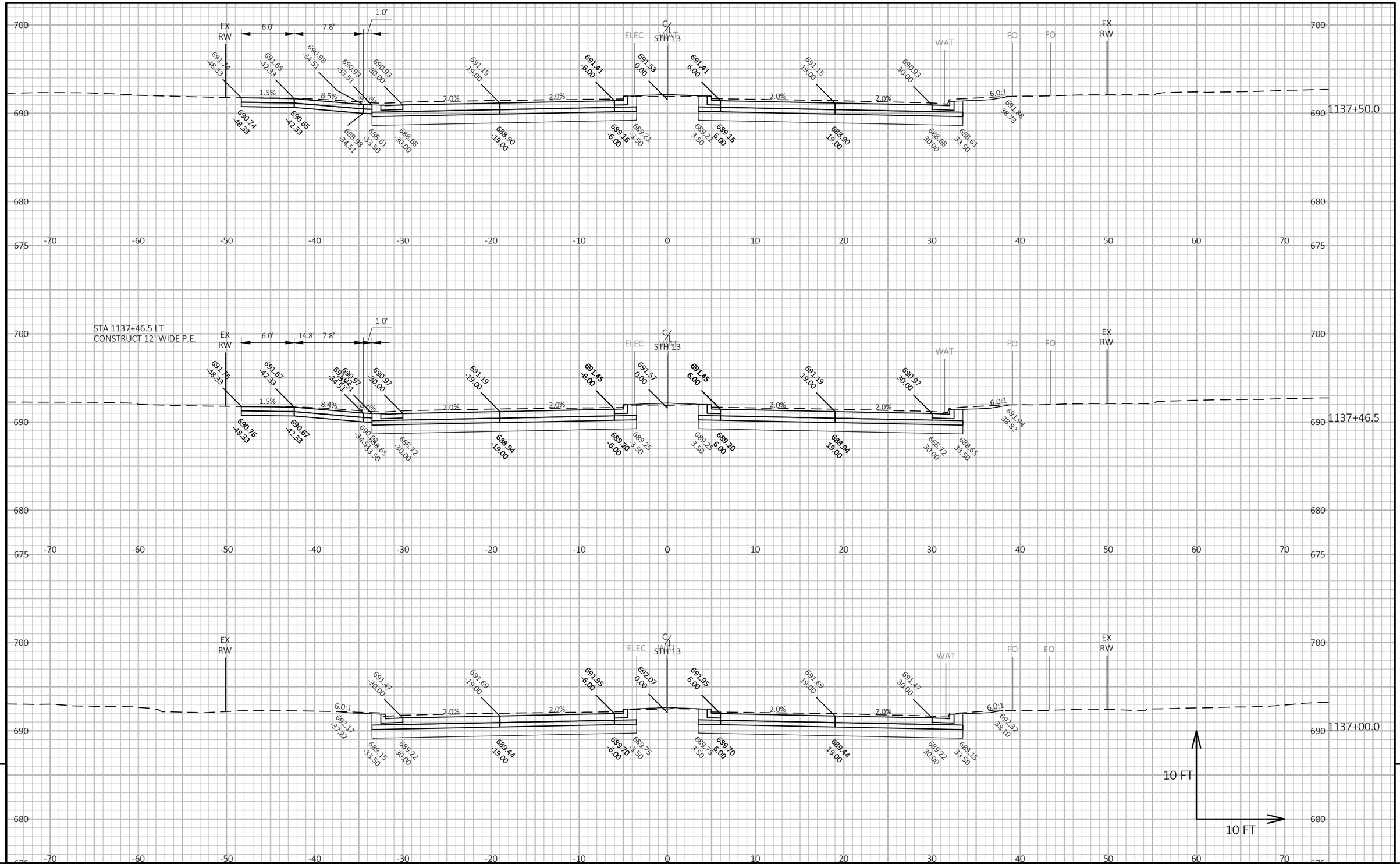
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9

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 12TH STREET TO 9TH STREET	SHEET 472	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090203_XS-12THTO10TH.DWG
LAYOUT NAME - 12To10_xs-05

PLOT DATE : 7/30/2024 11:00 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 12TH STREET TO 9TH STREET	SHEET 473	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090203_XS-12THTO10TH.DWG
LAYOUT NAME - 12To10_xs-06

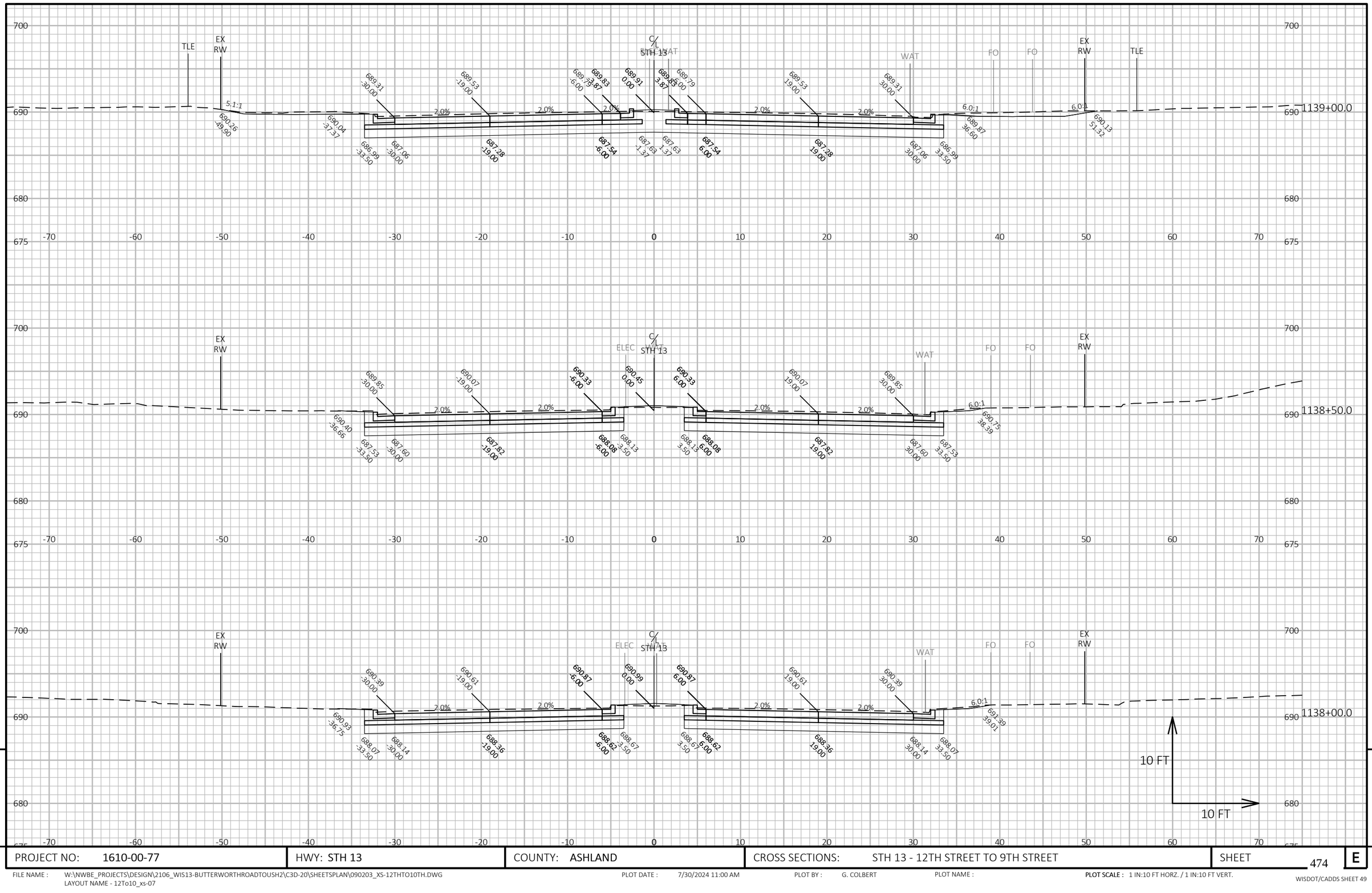
PLOT DATE : 7/30/2024 11:00 AM

PLOT BY : G. COLBERT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

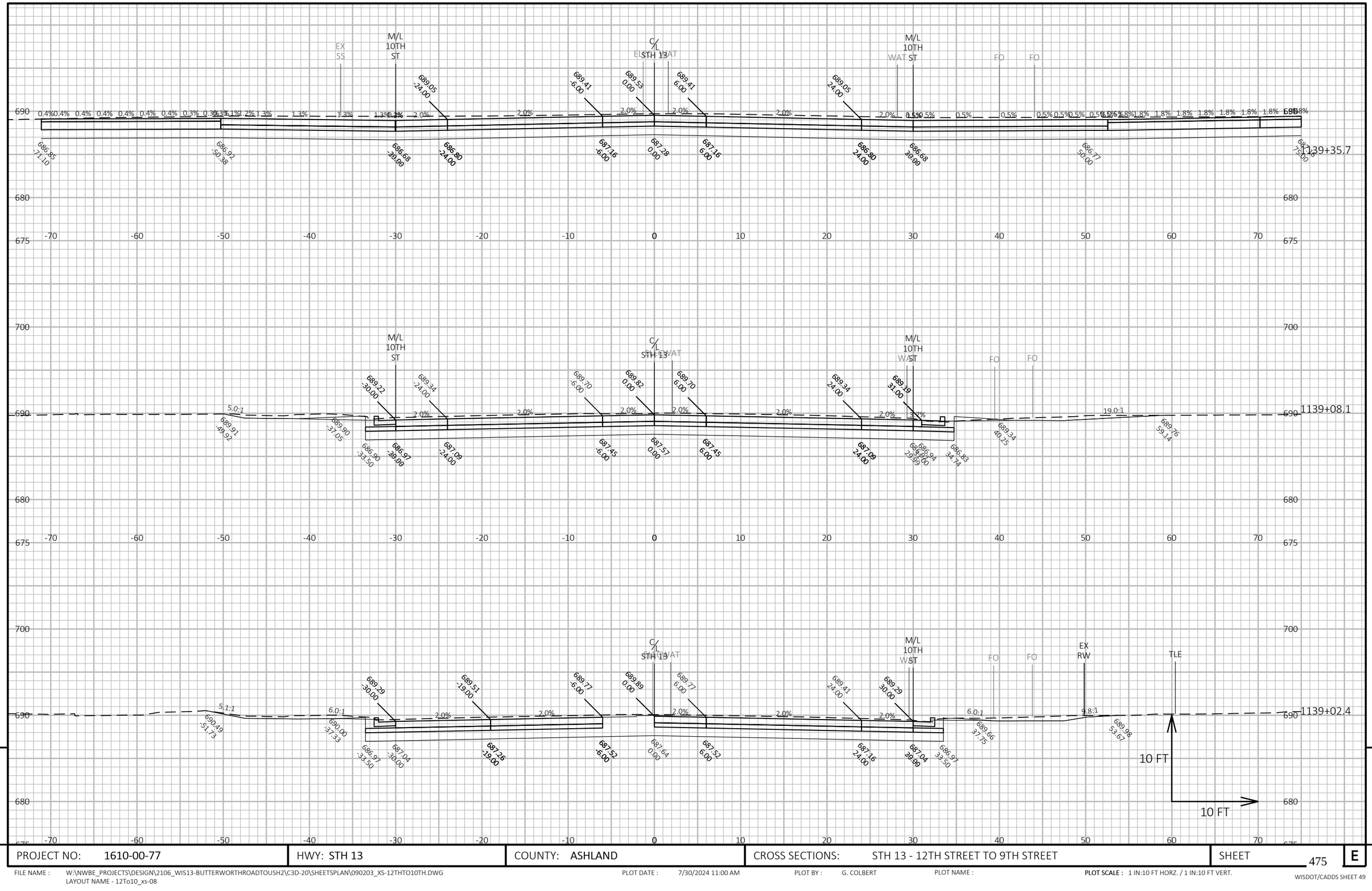


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 12TH STREET TO 9TH STREET	SHEET 474	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090203_XS-12THTO10TH.DWG
LAYOUT NAME - 12To10_xs-07

PLOT DATE : 7/30/2024 11:00 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

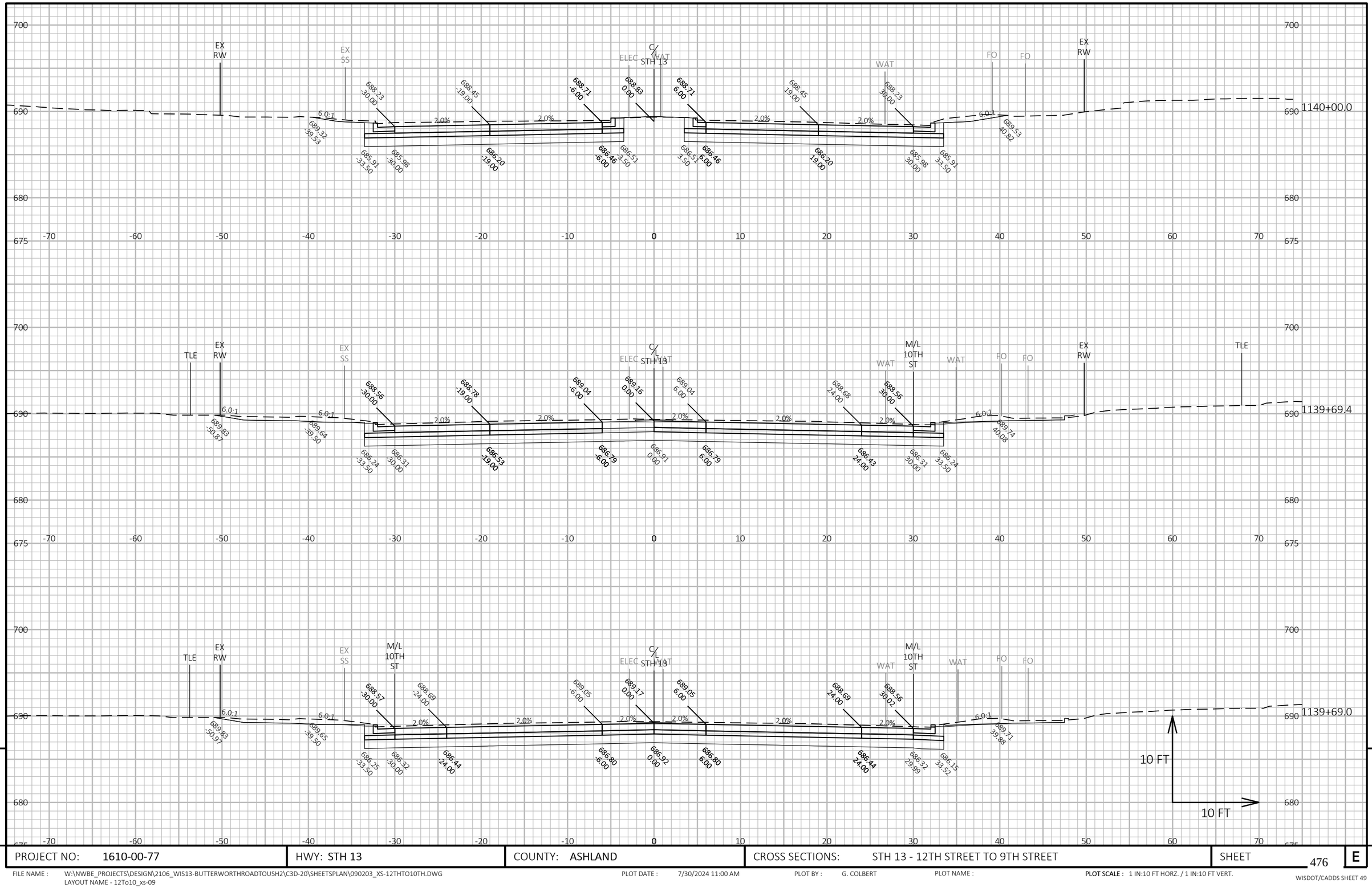


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 12TH STREET TO 9TH STREET	SHEET 475 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090203_XS-12THTO10TH.DWG
LAYOUT NAME - 12To10_xs-08

PLOT DATE : 7/30/2024 11:00 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

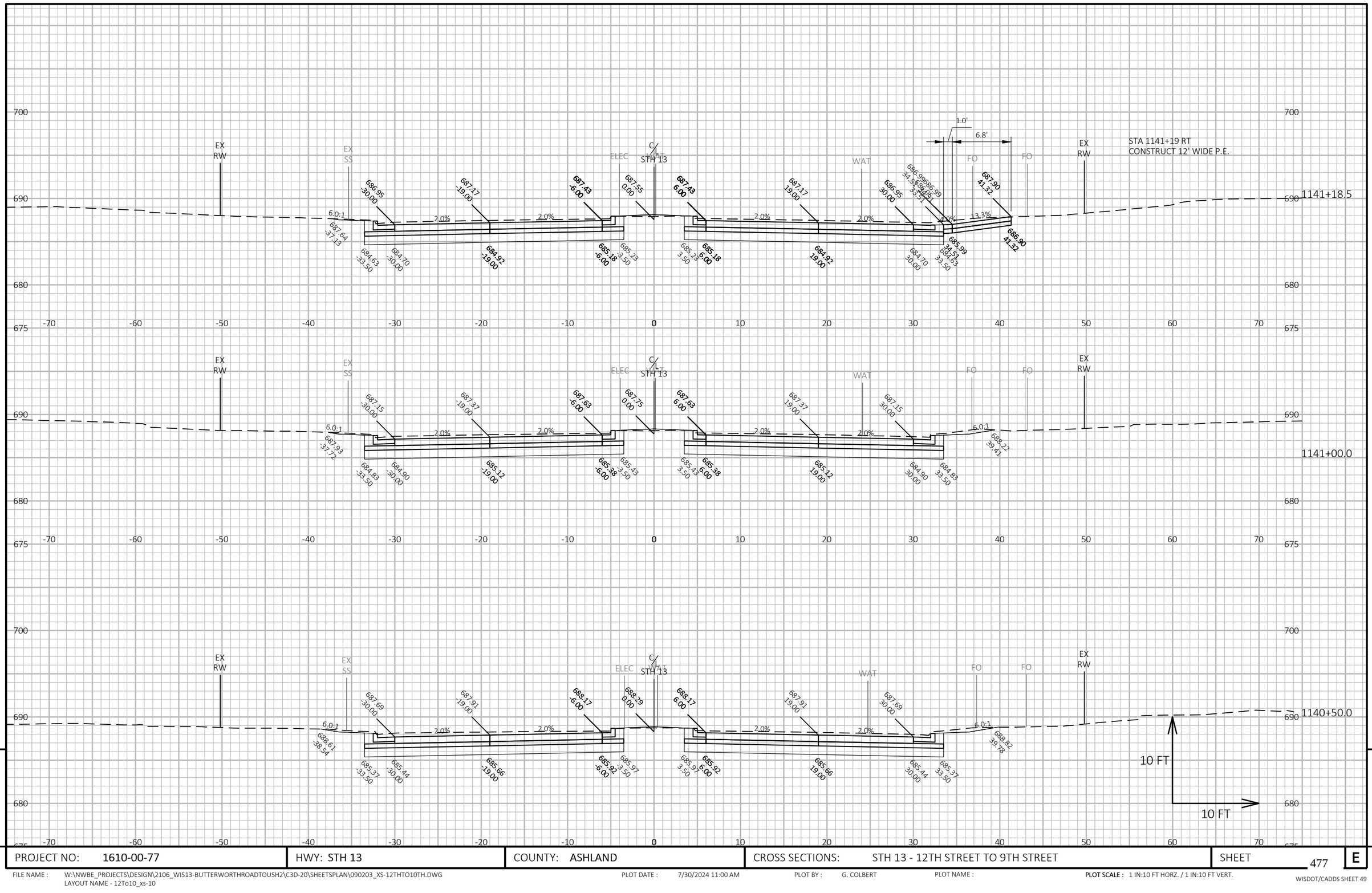
WISDOT/CADDS SHEET 49



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 12TH STREET TO 9TH STREET	SHEET 476	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090203_XS-12THTO10TH.DWG
LAYOUT NAME - 12To10_xs-09

PLOT DATE : 7/30/2024 11:00 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



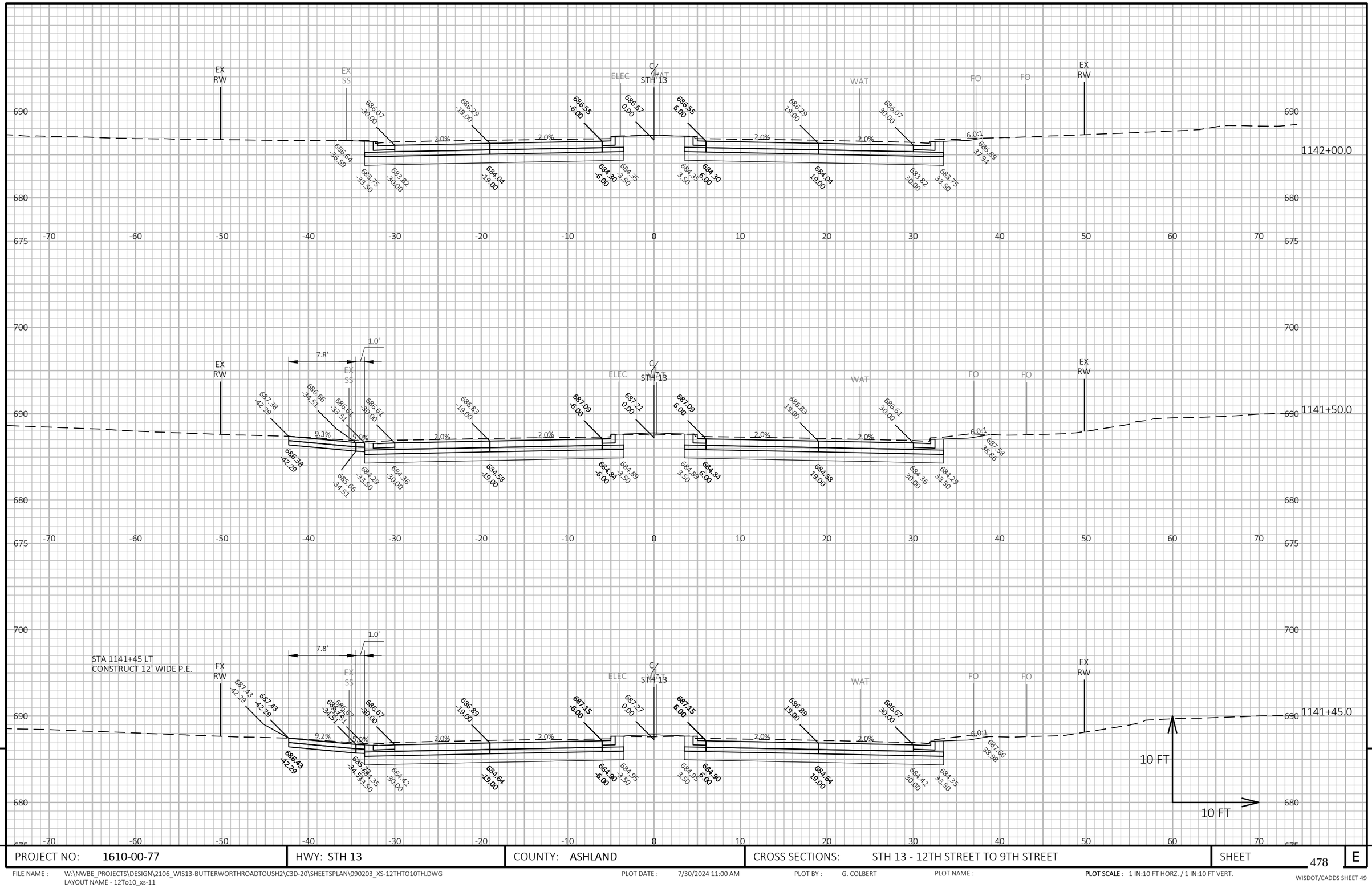
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 12TH STREET TO 9TH STREET	SHEET 477	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090203_XS-12THTO10TH.DWG
LAYOUT NAME - 12To10_xs-10

PLOT DATE : 7/30/2024 11:00 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

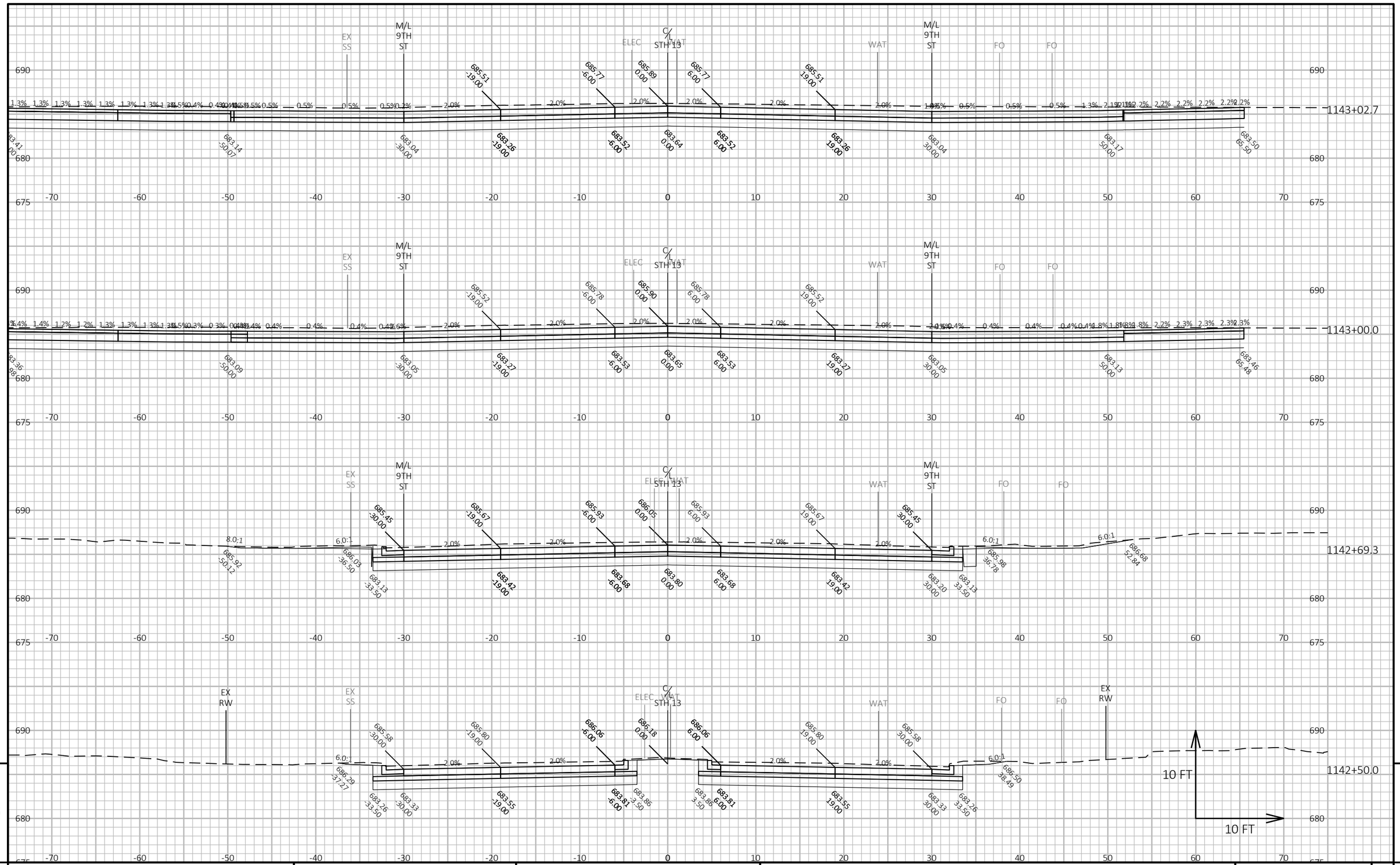


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 12TH STREET TO 9TH STREET	SHEET 478	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090203_XS-12THTO10TH.DWG
LAYOUT NAME - 12To10_xs-11

PLOT DATE : 7/30/2024 11:00 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



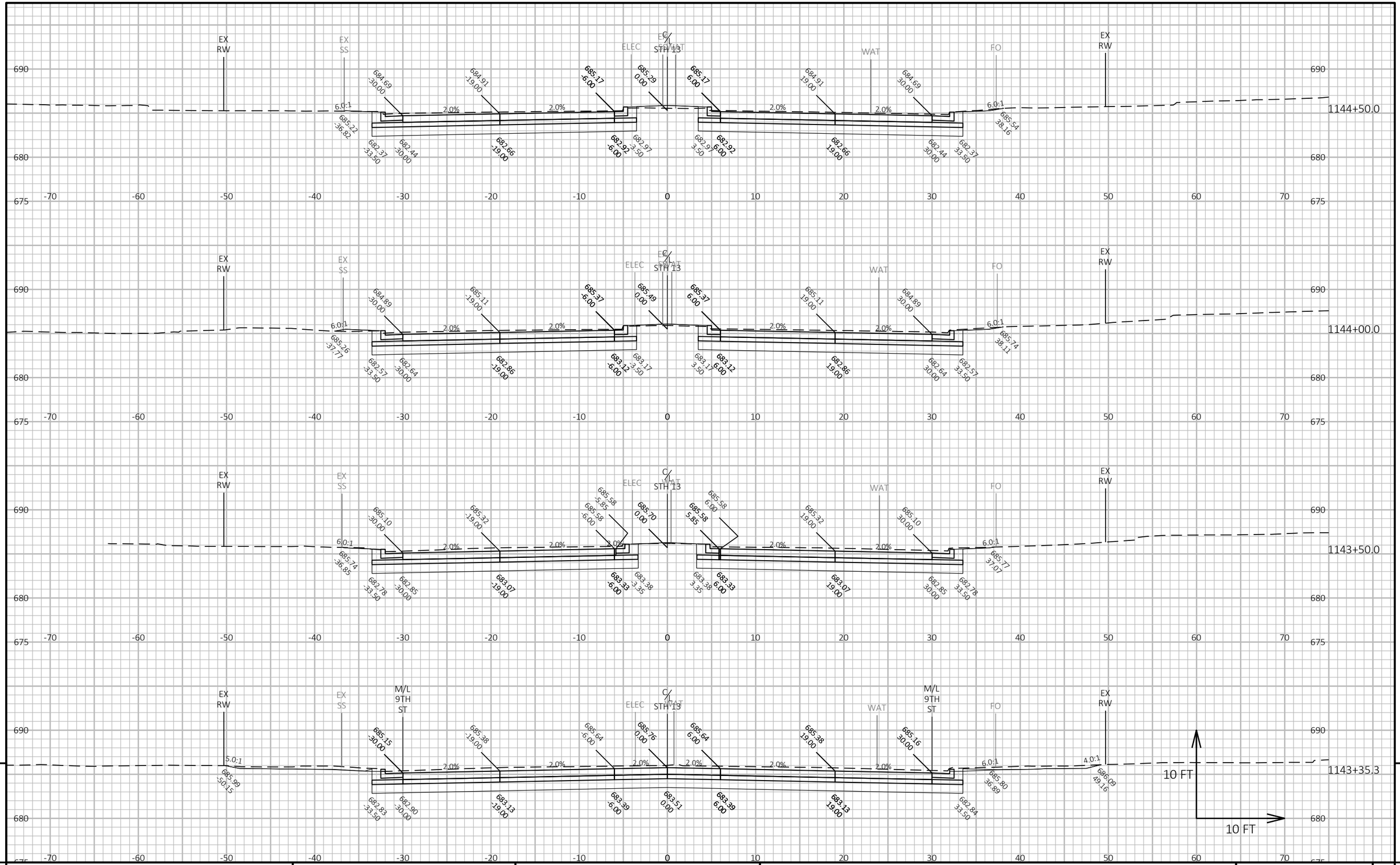
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 12TH STREET TO 9TH STREET	SHEET 479	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090203_XS-12THTO10TH.DWG
LAYOUT NAME - 12To10_xs-12

PLOT DATE : 7/30/2024 11:00 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



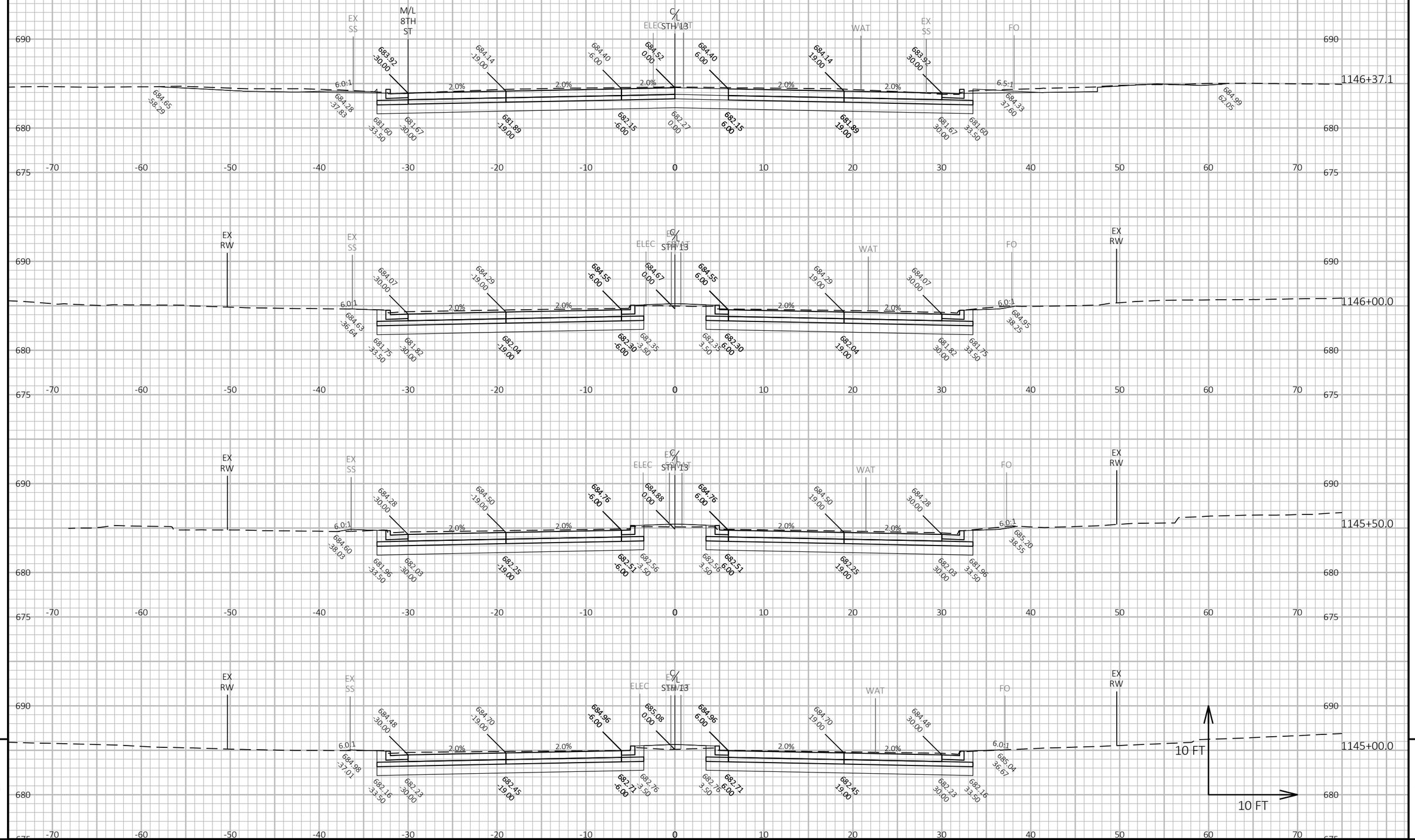
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 9TH STREET TO 6TH STREET	SHEET 480 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090204_XS-9THTO7TH.DWG
LAYOUT NAME - 9To7_xs-01

PLOT DATE : 7/30/2024 11:22 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9 9



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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 9TH STREET TO 6TH STREET	SHEET 481	E

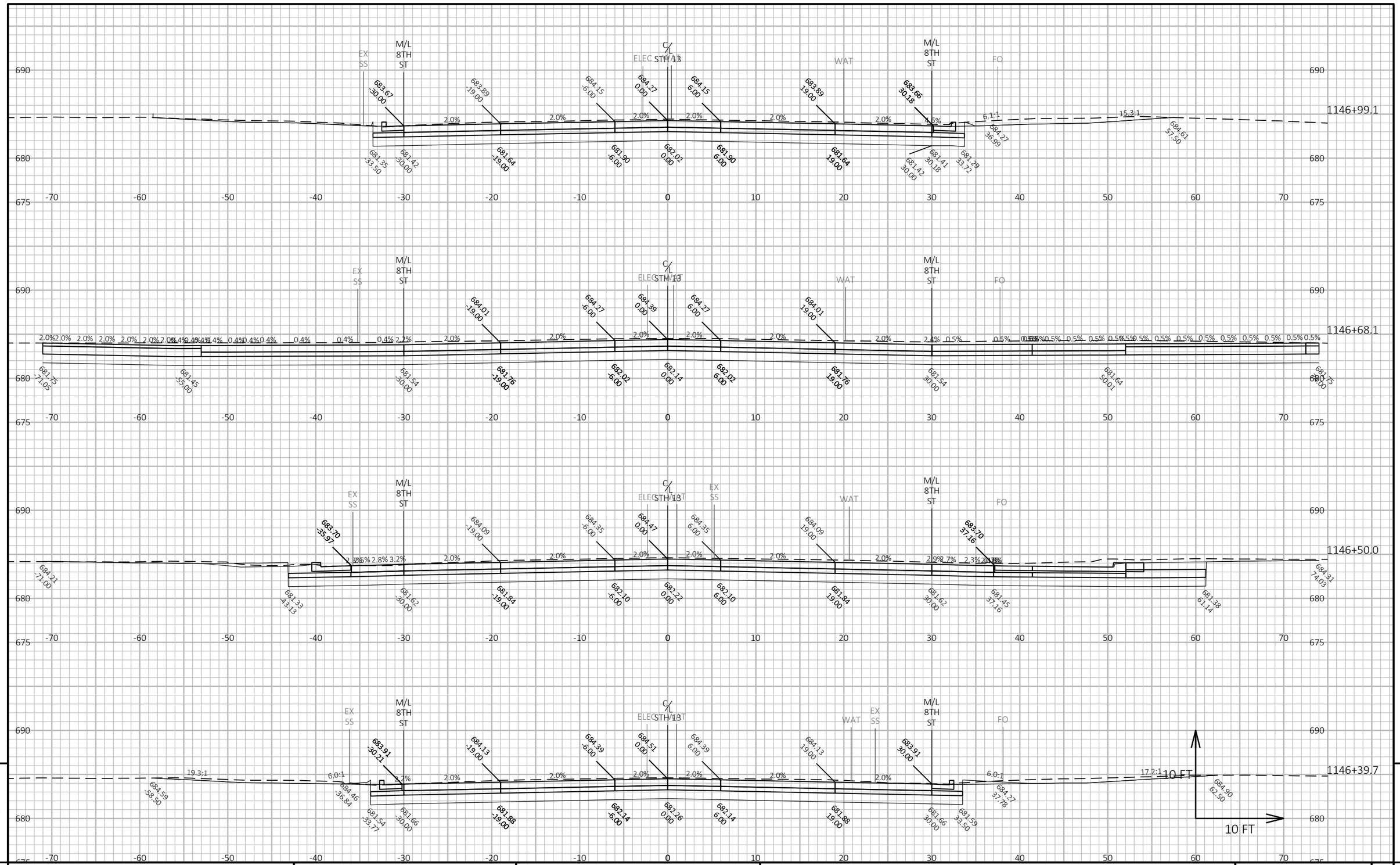
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LAYOUT NAME - 9To7_xs-02

PLOT DATE : 7/30/2024 11:22 AM

PLOT BY : G. COLBERT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

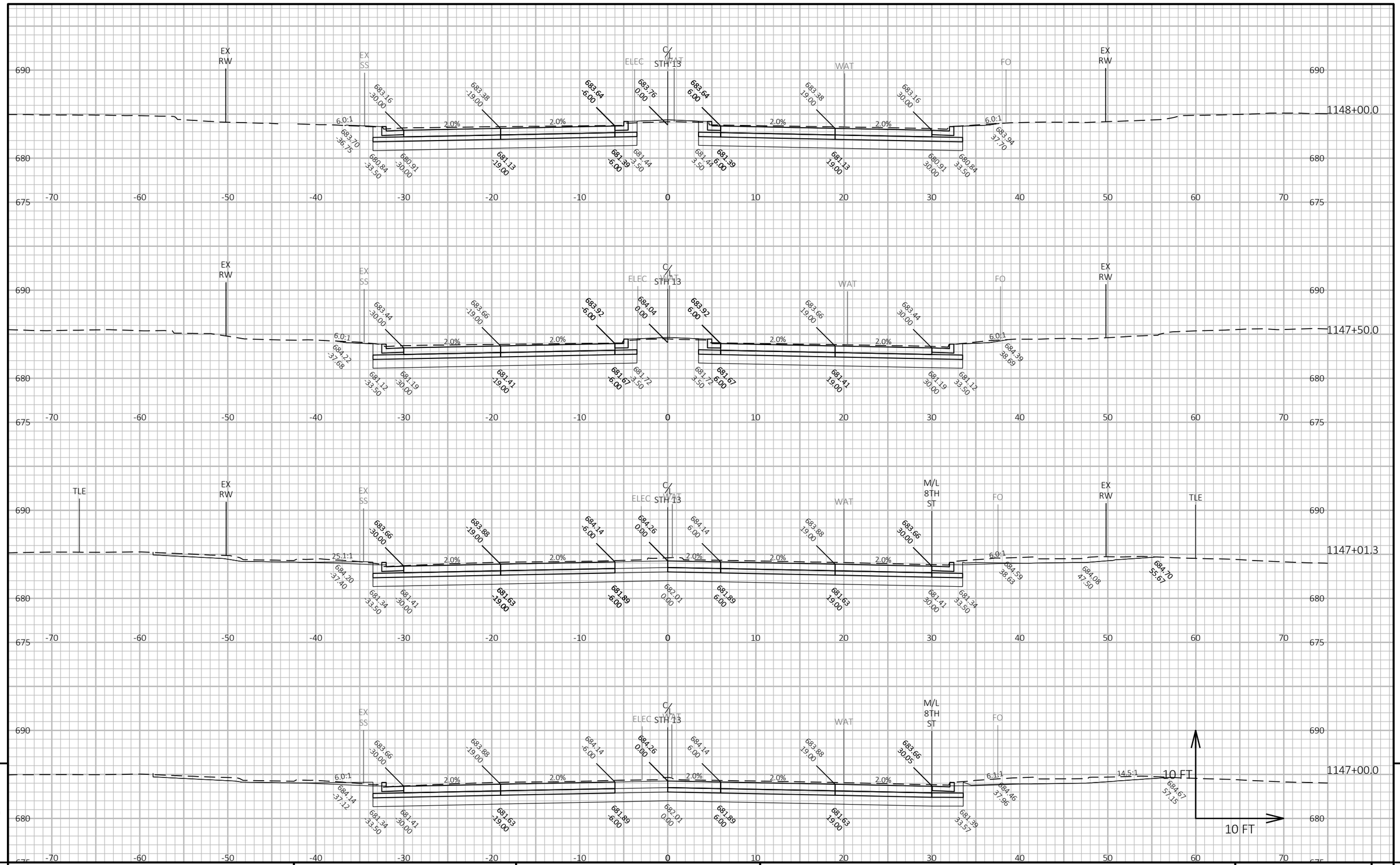
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 9TH STREET TO 6TH STREET	SHEET 482	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090204_XS-9THTO7TH.DWG
LAYOUT NAME - 9To7_xs-03

PLOT DATE : 7/30/2024 11:22 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



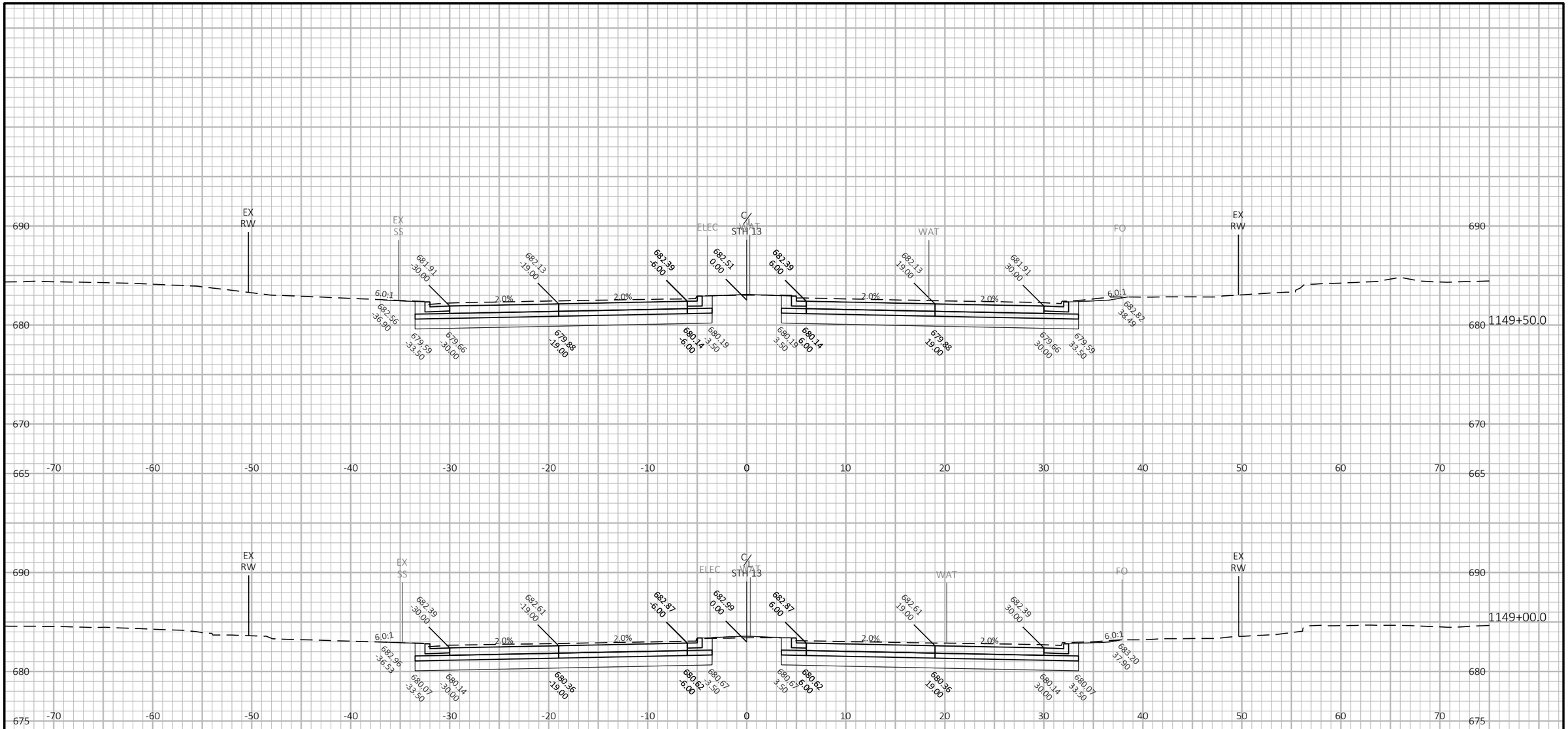
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 9TH STREET TO 6TH STREET	SHEET 483	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090204_XS-9THTO7TH.DWG
LAYOUT NAME - 9To7_xs-04

PLOT DATE : 7/30/2024 11:22 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 9TH STREET TO 6TH STREET	SHEET 484	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090204_XS-9THTO7TH.DWG
LAYOUT NAME - 9To7_xs-05

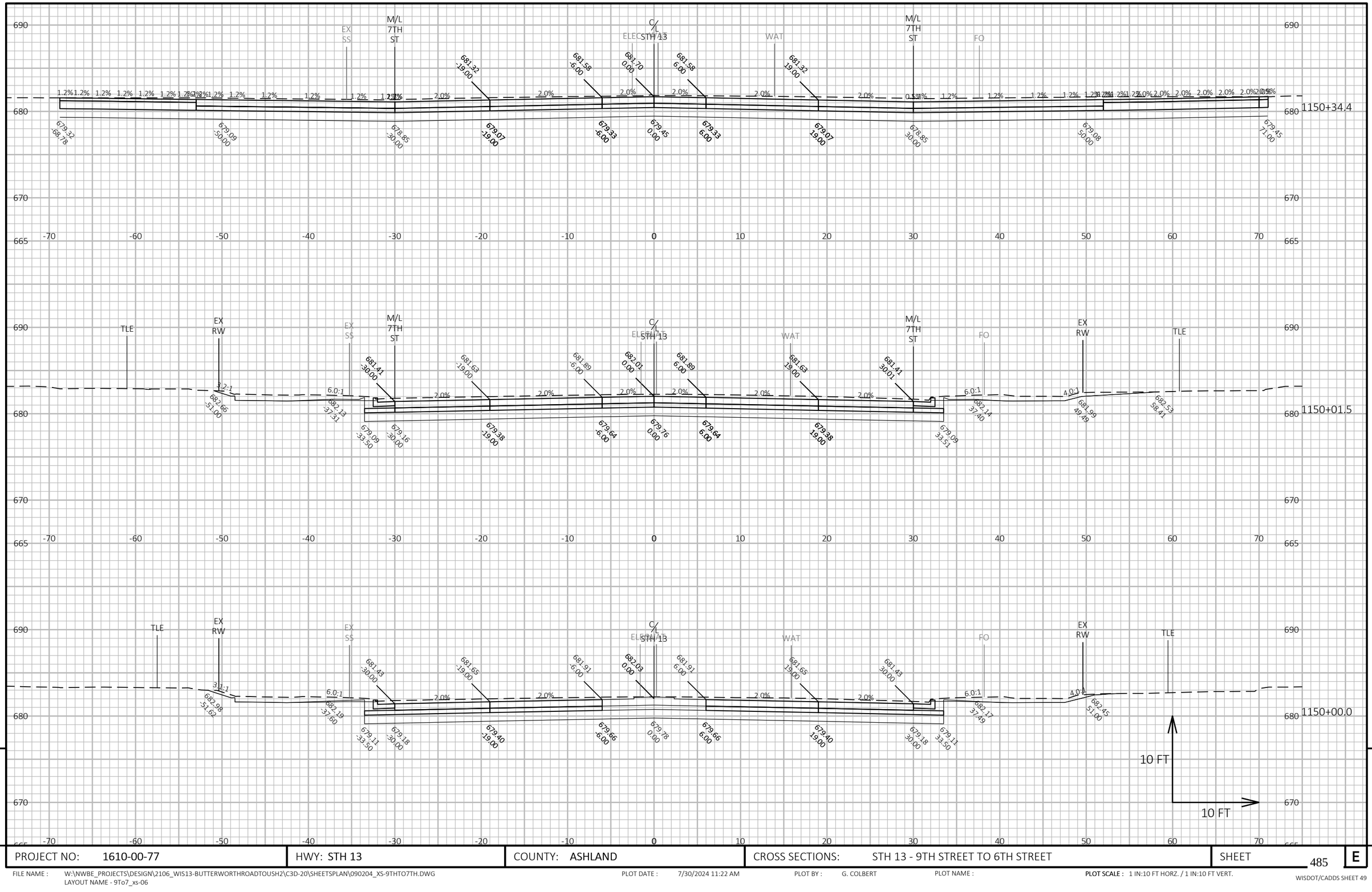
PLOT DATE : 7/30/2024 11:22 AM

PLOT BY : G. COLBERT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

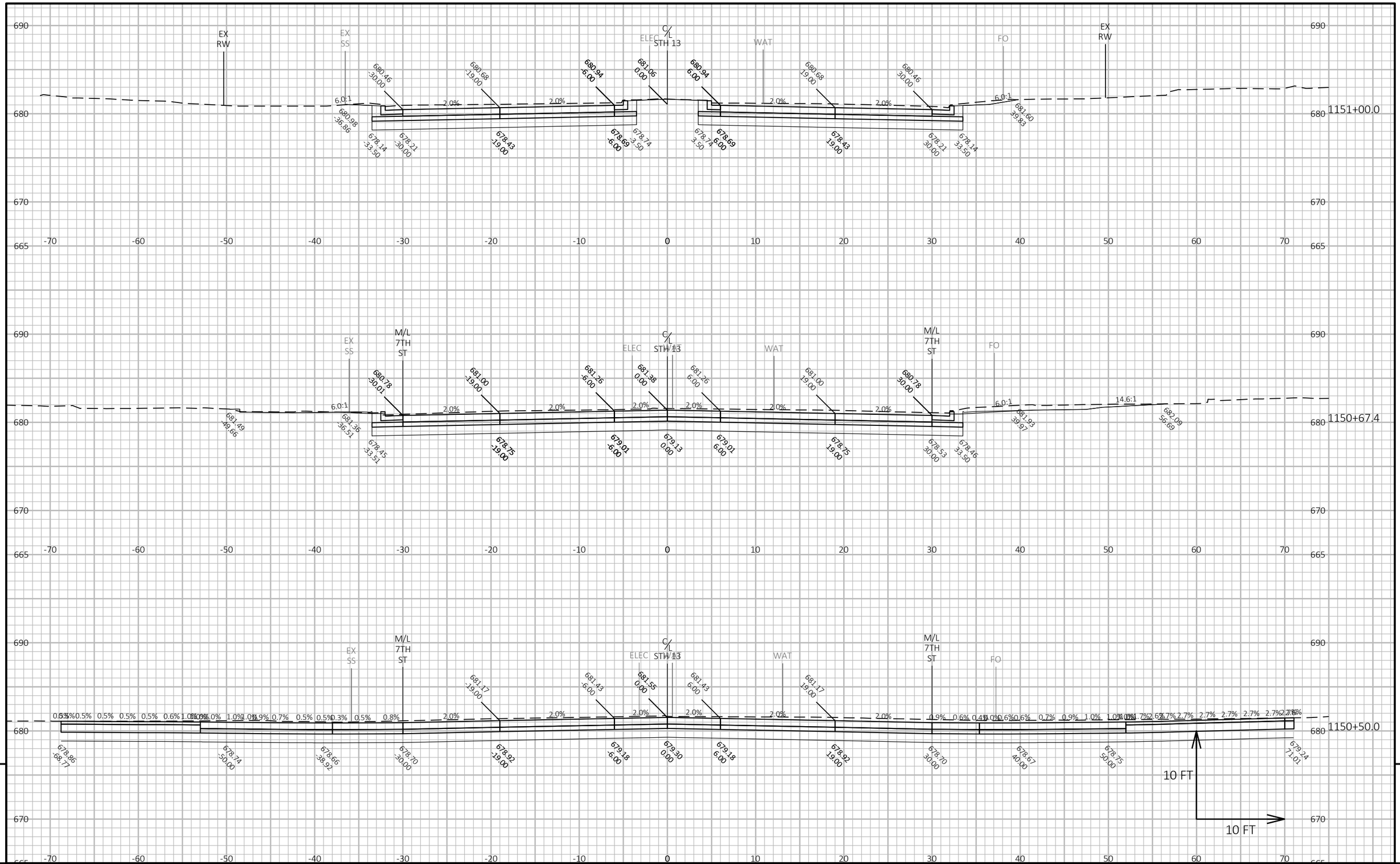
WISDOT/CADDS SHEET 49



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 9TH STREET TO 6TH STREET	SHEET 485 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090204_XS-9THTO7TH.DWG
LAYOUT NAME - 9To7_xs-06

PLOT DATE : 7/30/2024 11:22 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

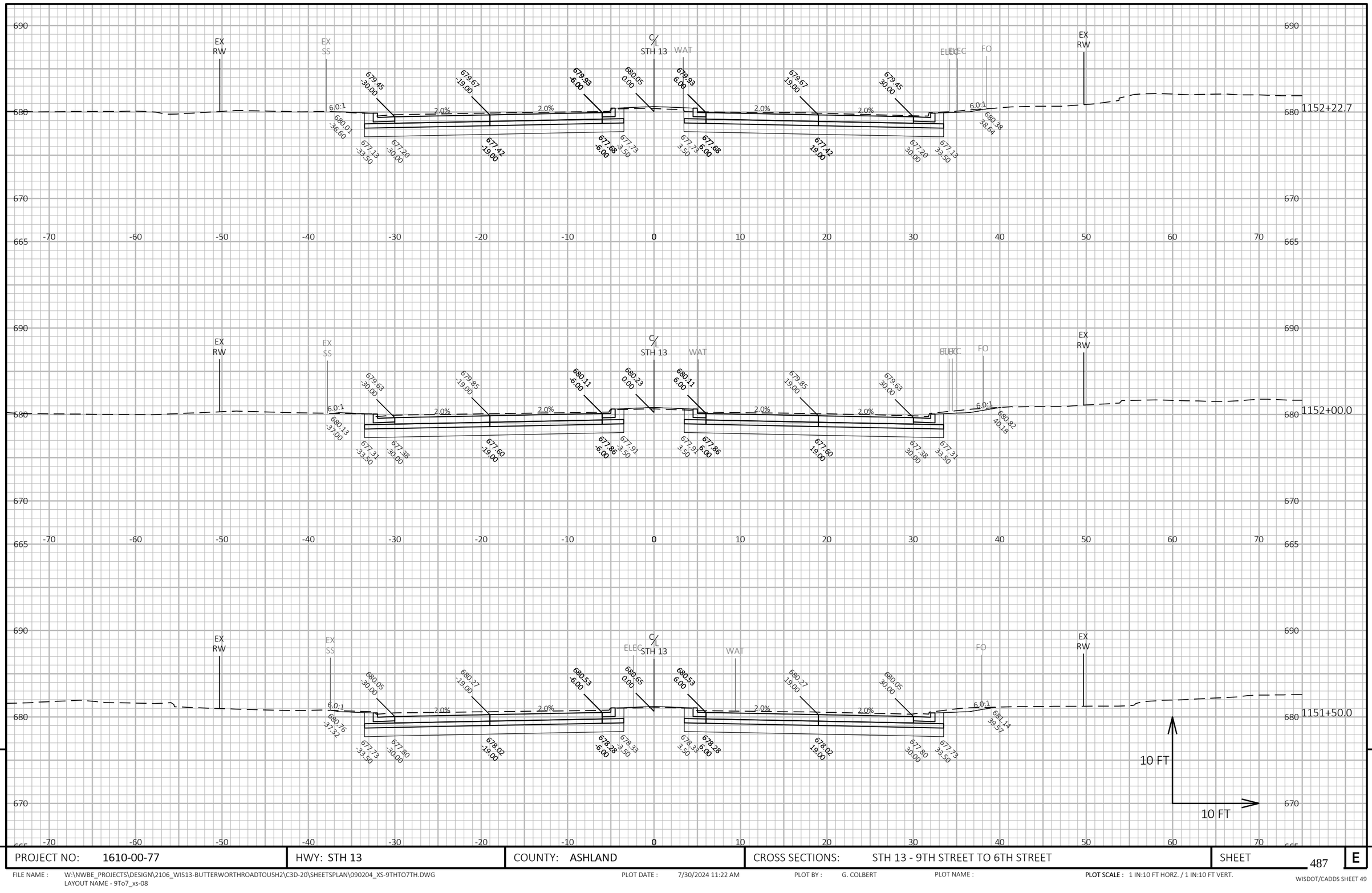


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 9TH STREET TO 6TH STREET	SHEET 486 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090204_XS-9THTO7TH.DWG
LAYOUT NAME - 9To7_xs-07

PLOT DATE : 7/30/2024 11:22 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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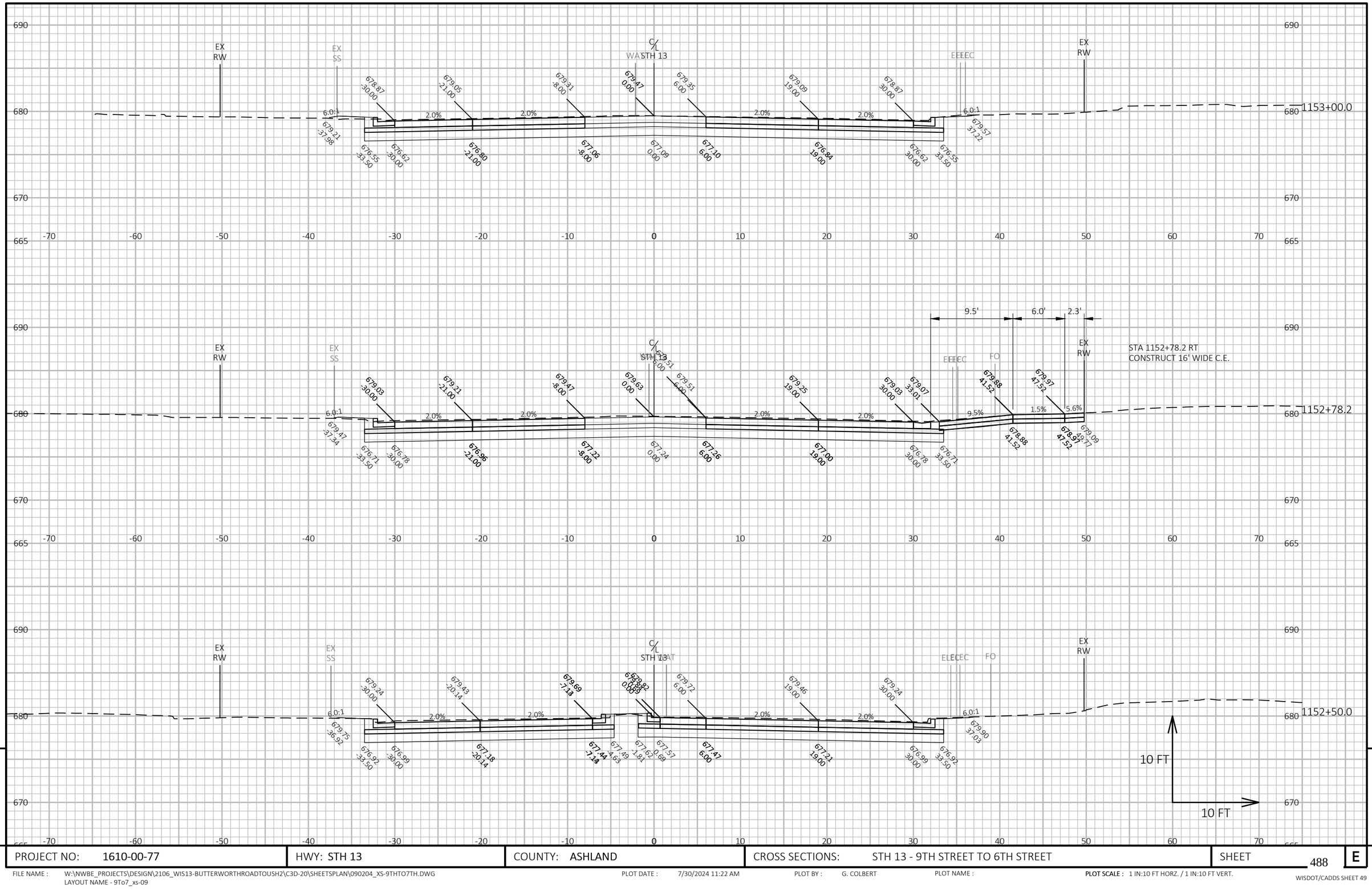
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 9TH STREET TO 6TH STREET	SHEET 487	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090204_XS-9THTO7TH.DWG
LAYOUT NAME - 9To7_xs-08

PLOT DATE : 7/30/2024 11:22 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

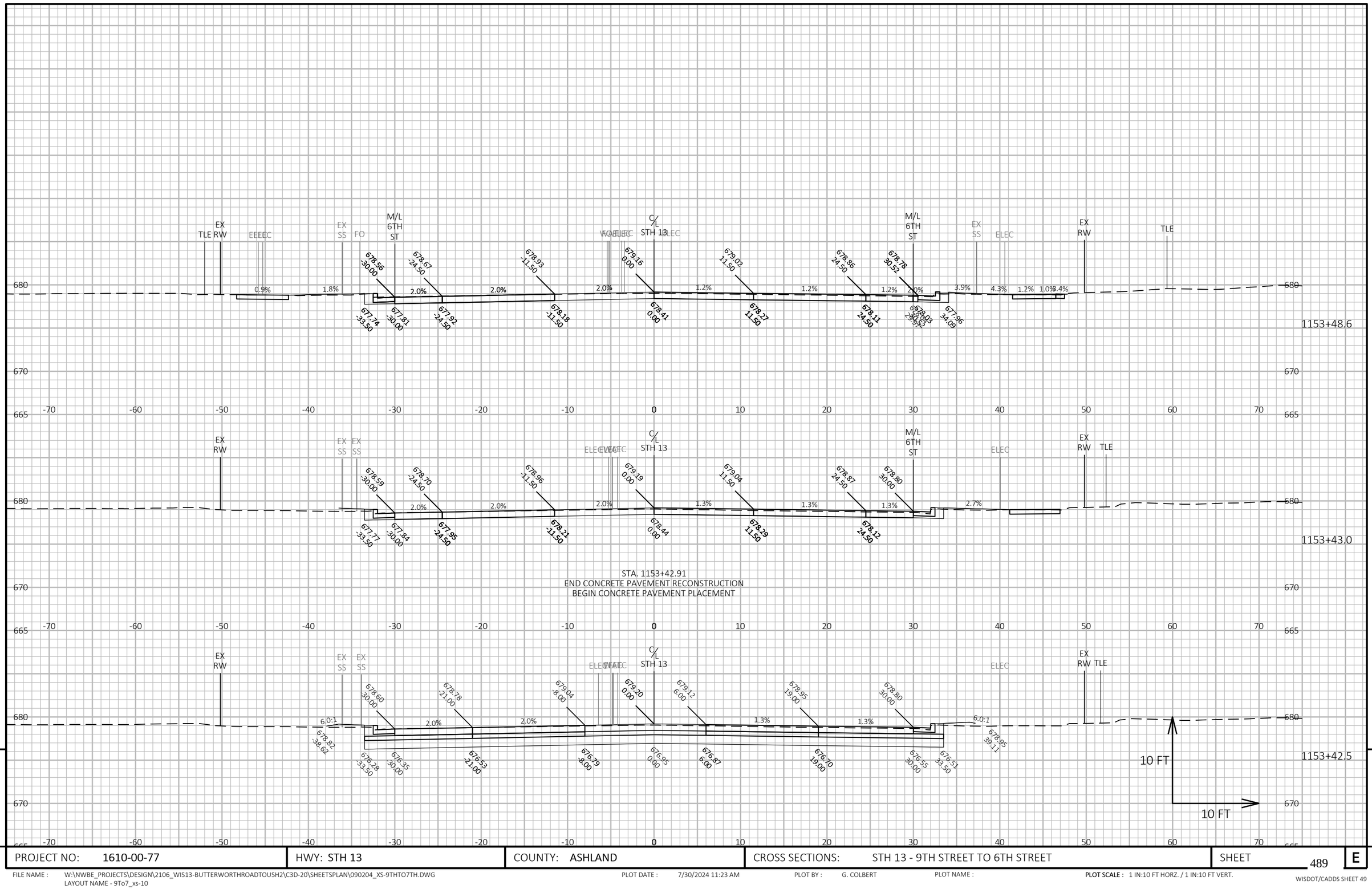


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 9TH STREET TO 6TH STREET	SHEET 488 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090204_XS-9THTO7TH.DWG
LAYOUT NAME - 9To7_xs-09

PLOT DATE : 7/30/2024 11:22 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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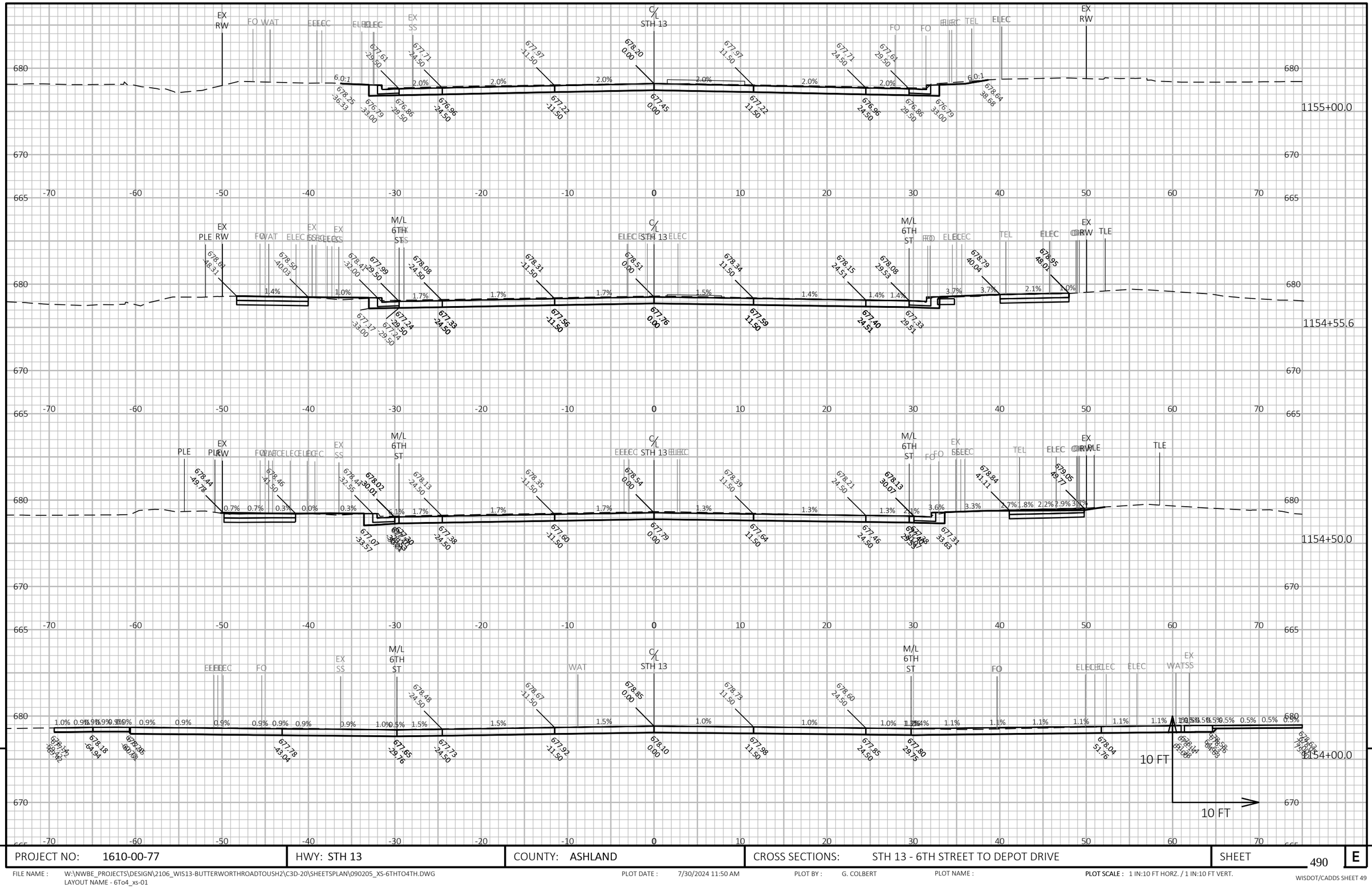
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 9TH STREET TO 6TH STREET	SHEET 489	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090204_XS-9THTO7TH.DWG
LAYOUT NAME - 9To7_xs-10

PLOT DATE : 7/30/2024 11:23 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

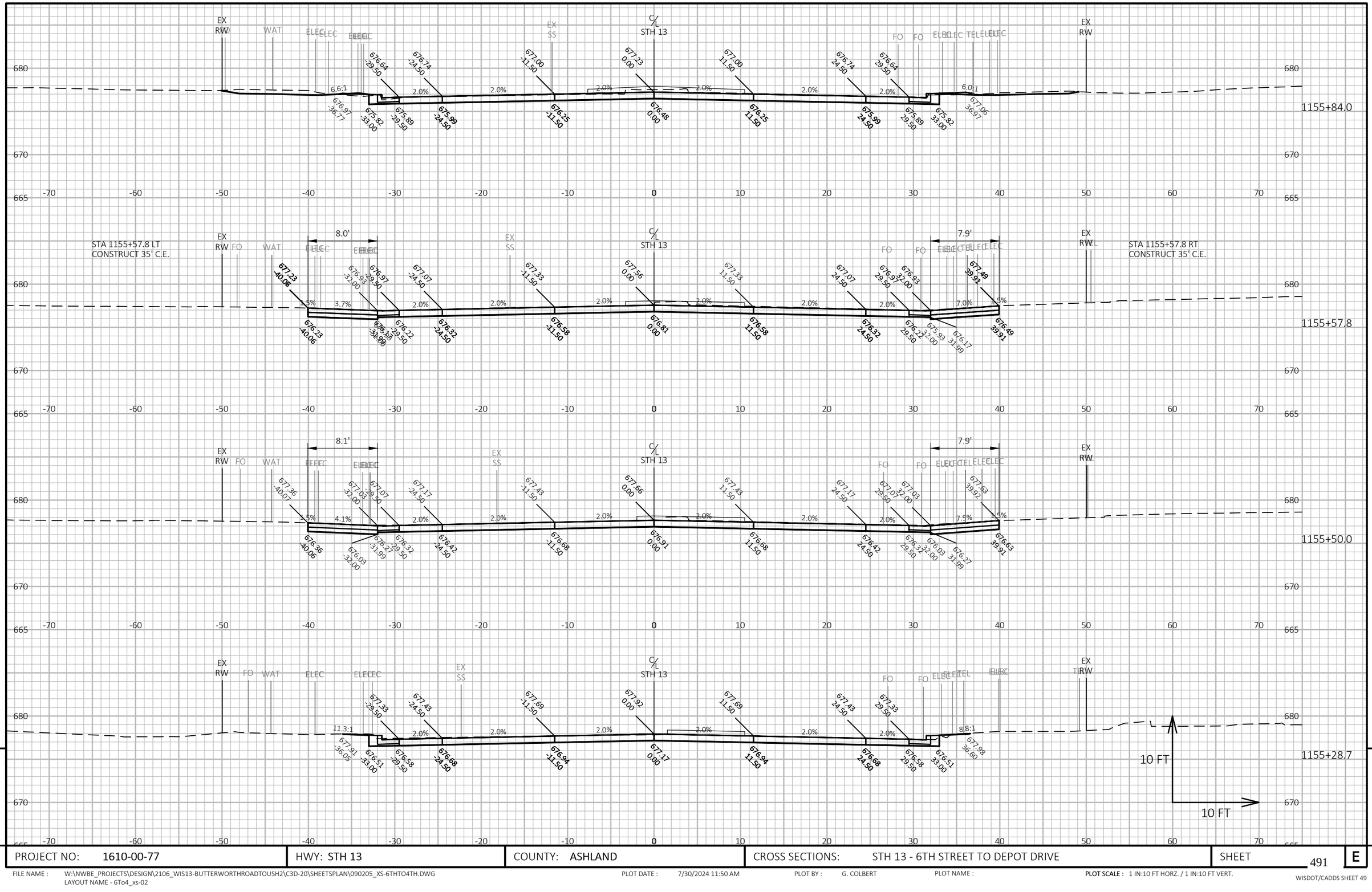
WISDOT/CADDS SHEET 49



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 6TH STREET TO DEPOT DRIVE	SHEET 490	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090205_XS-6THTO4TH.DWG
LAYOUT NAME - 6To4_xs-01

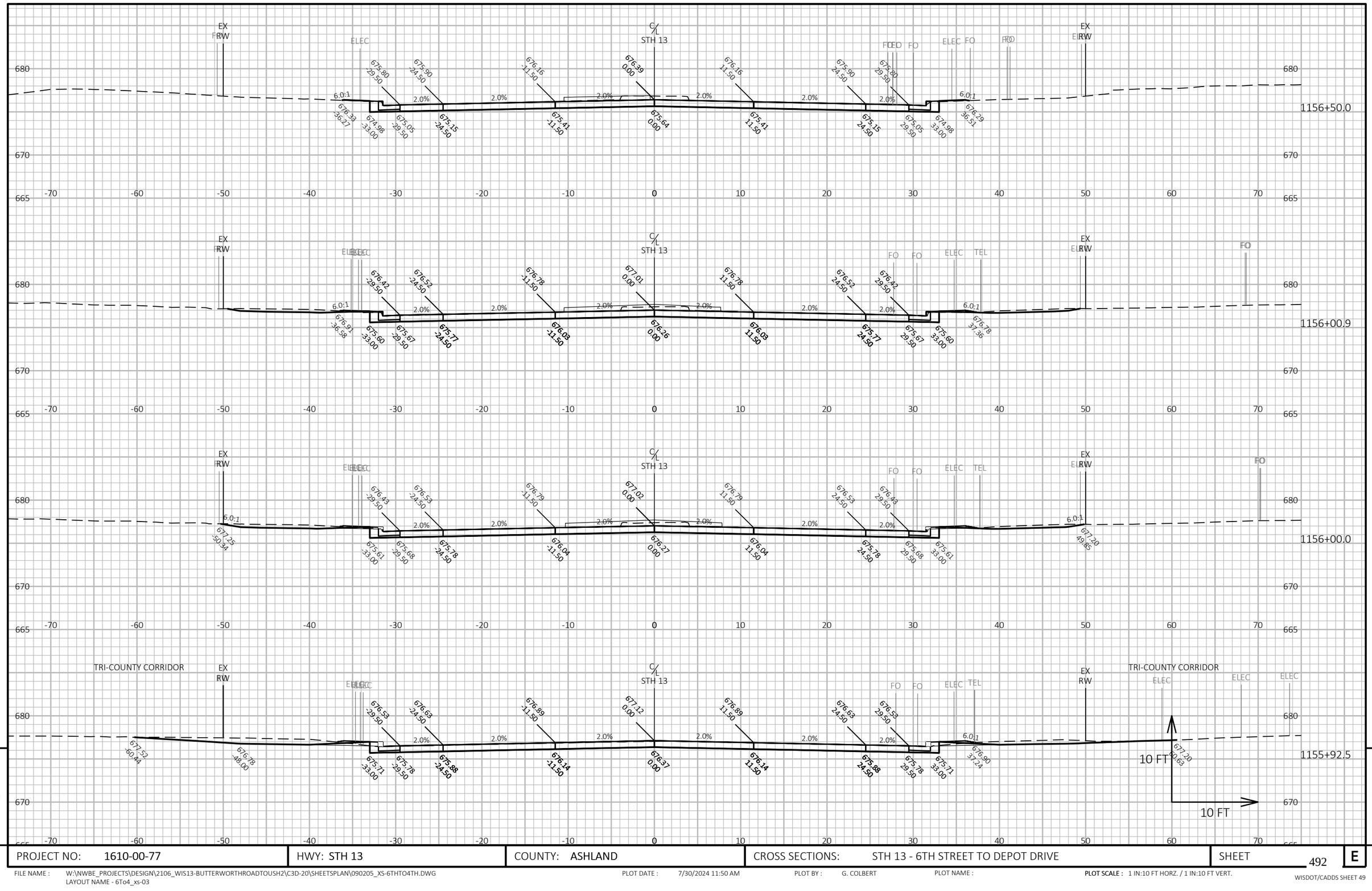
PLOT DATE : 7/30/2024 11:50 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 6TH STREET TO DEPOT DRIVE	SHEET 491	E



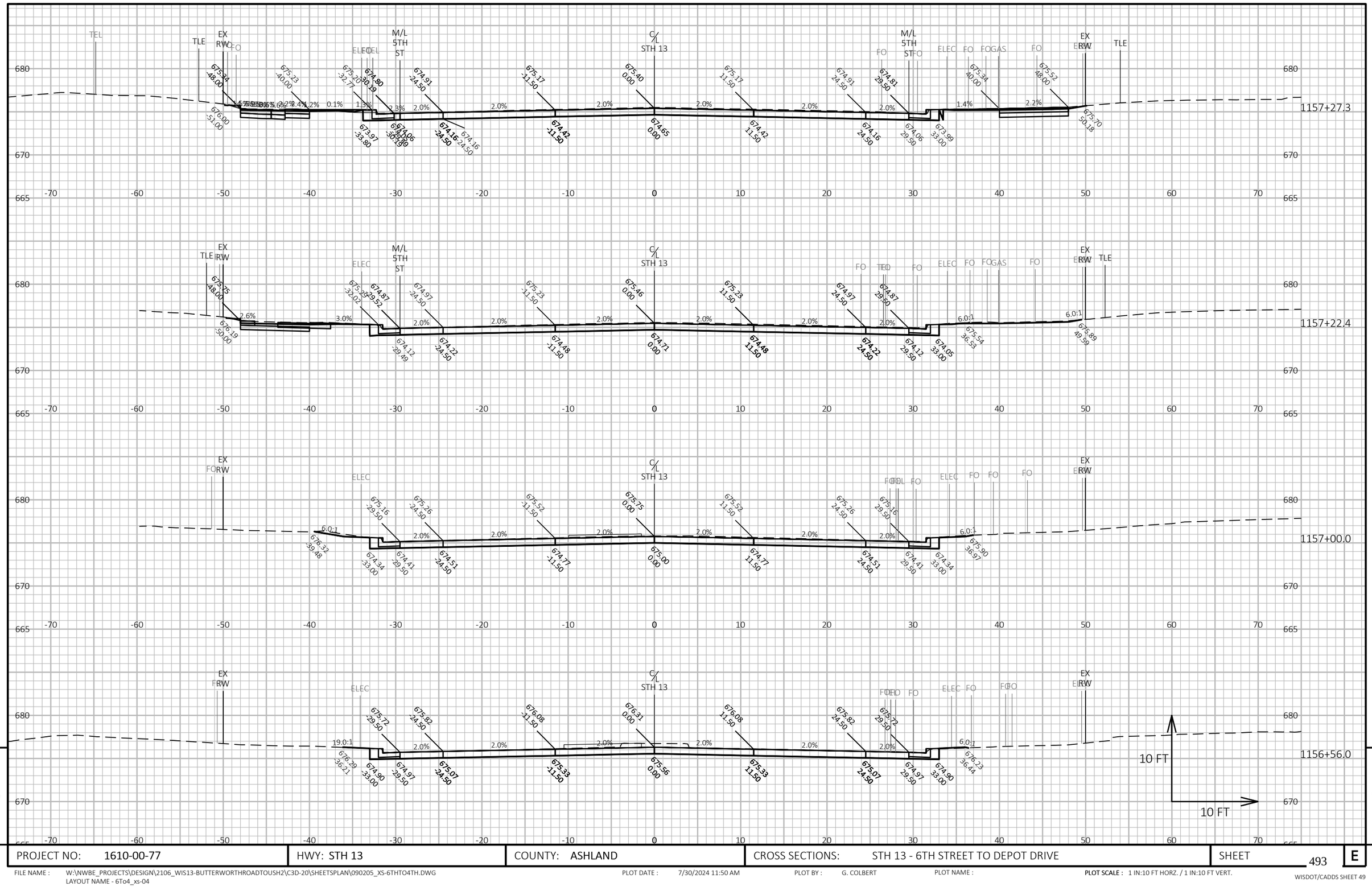
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 6TH STREET TO DEPOT DRIVE	SHEET 492	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090205_XS-6THTO4TH.DWG
LAYOUT NAME - 6To4_xs-03

PLOT DATE : 7/30/2024 11:50 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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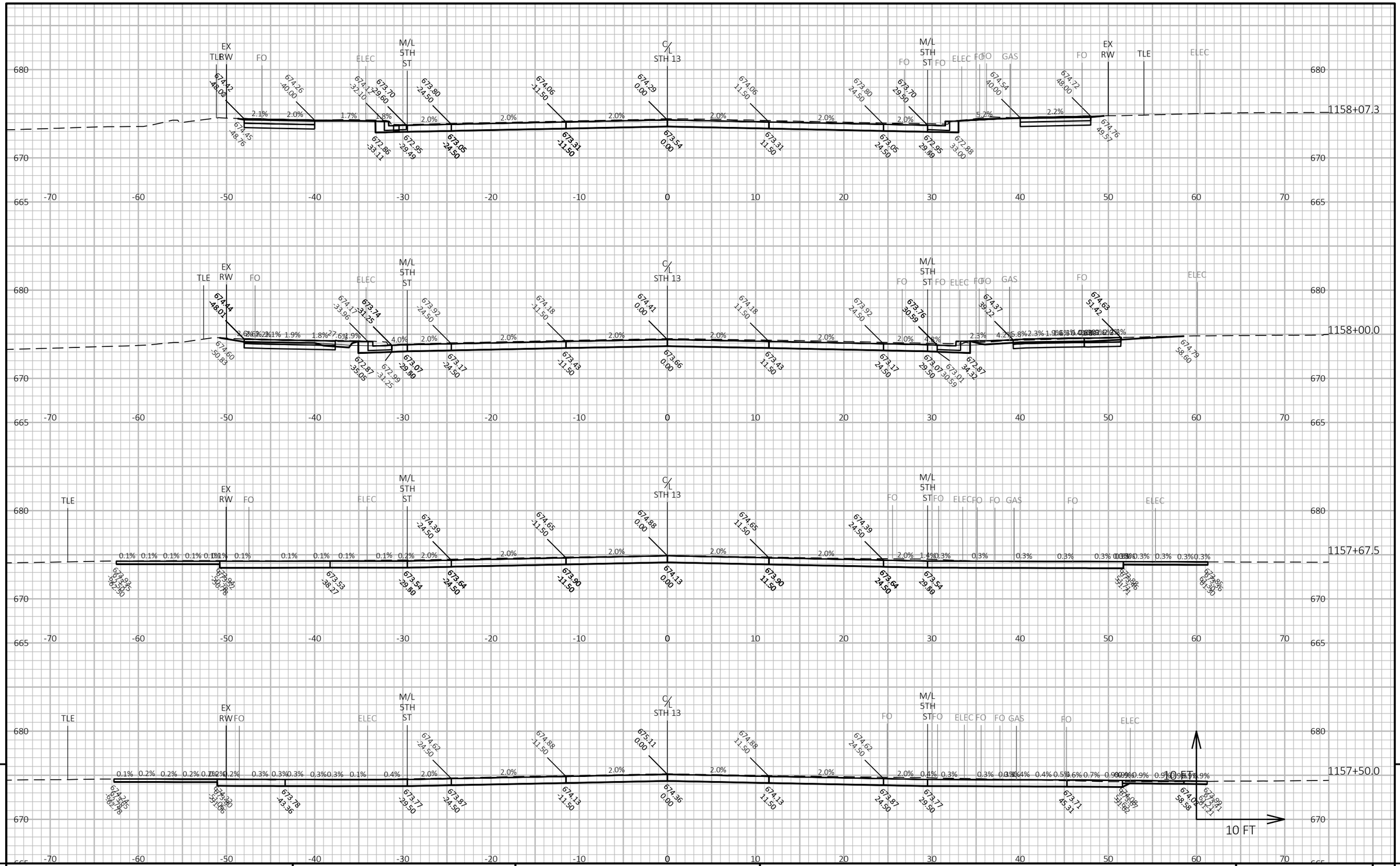
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 6TH STREET TO DEPOT DRIVE	SHEET 493	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090205_XS-6THTO4TH.DWG
LAYOUT NAME - 6To4_xs-04

PLOT DATE : 7/30/2024 11:50 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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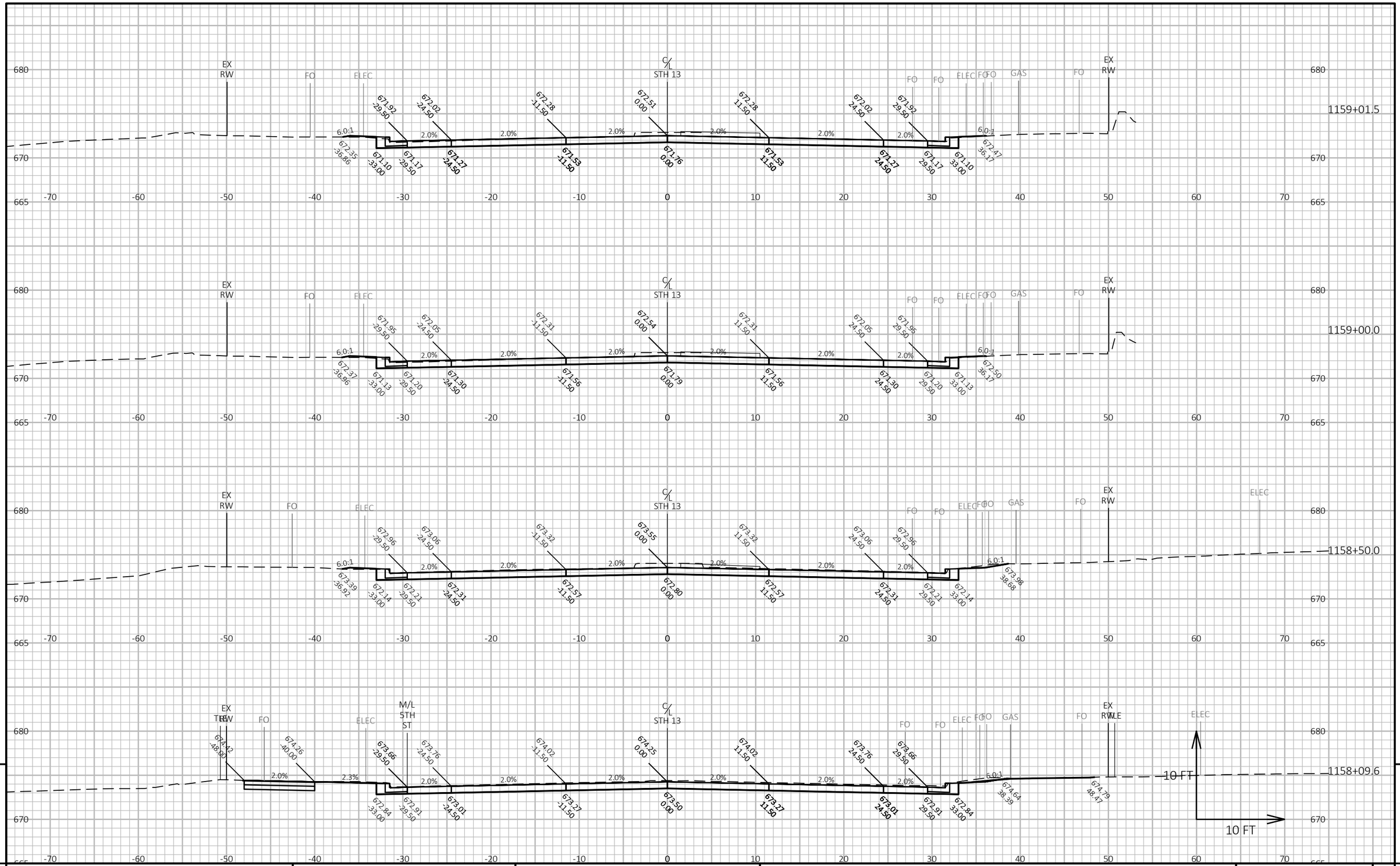
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LAYOUT NAME - 6To4_xs-05

PLOT DATE : 7/30/2024 11:50 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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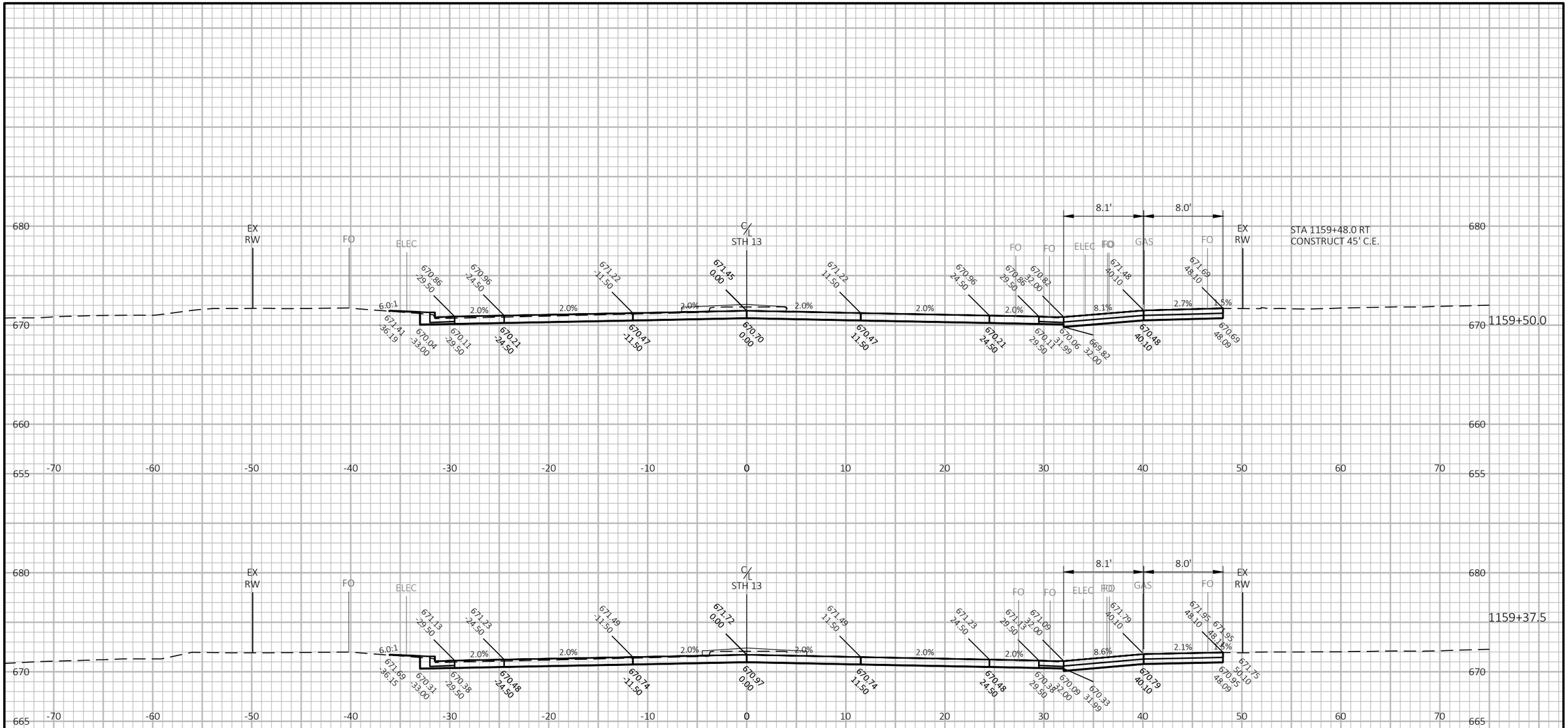
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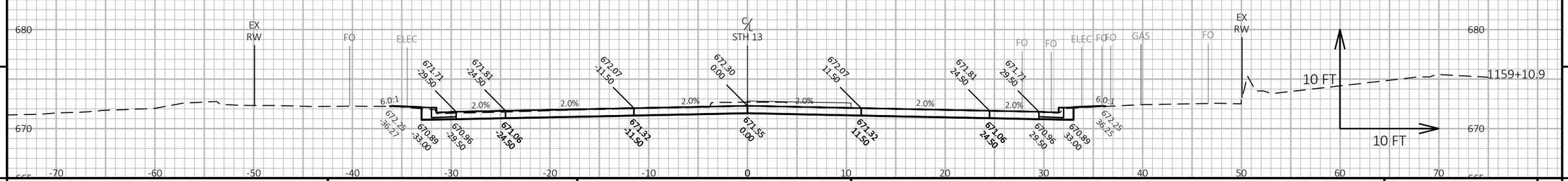
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 6TH STREET TO DEPOT DRIVE	SHEET 495	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090205_XS-6THTO4TH.DWG
LAYOUT NAME - 6To4_xs-06

PLOT DATE : 7/30/2024 11:50 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





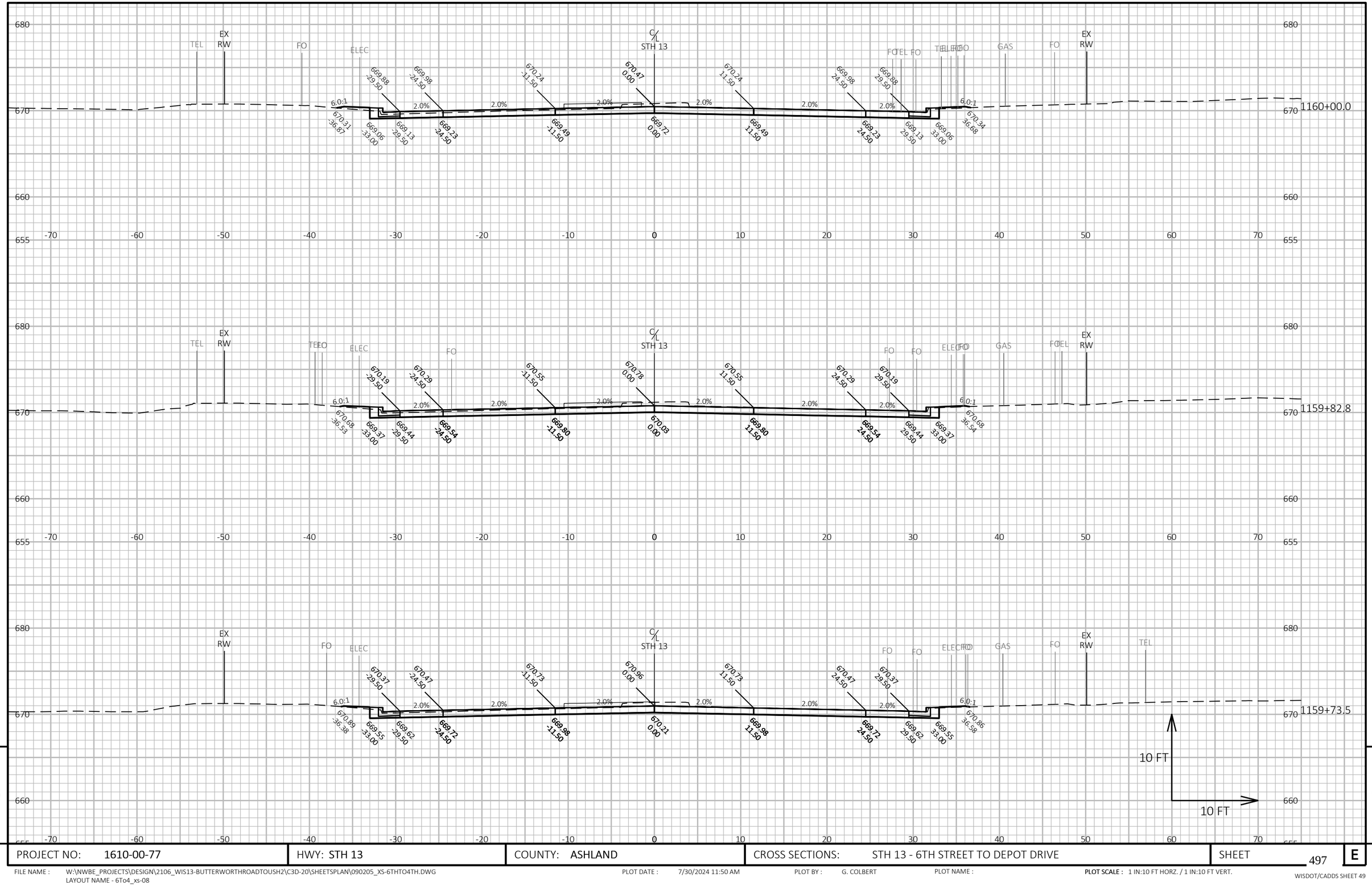
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 6TH STREET TO DEPOT DRIVE	SHEET 496	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090205_XS-6THTO4TH.DWG
LAYOUT NAME - 6To4_xs-07

PLOT DATE : 7/30/2024 11:50 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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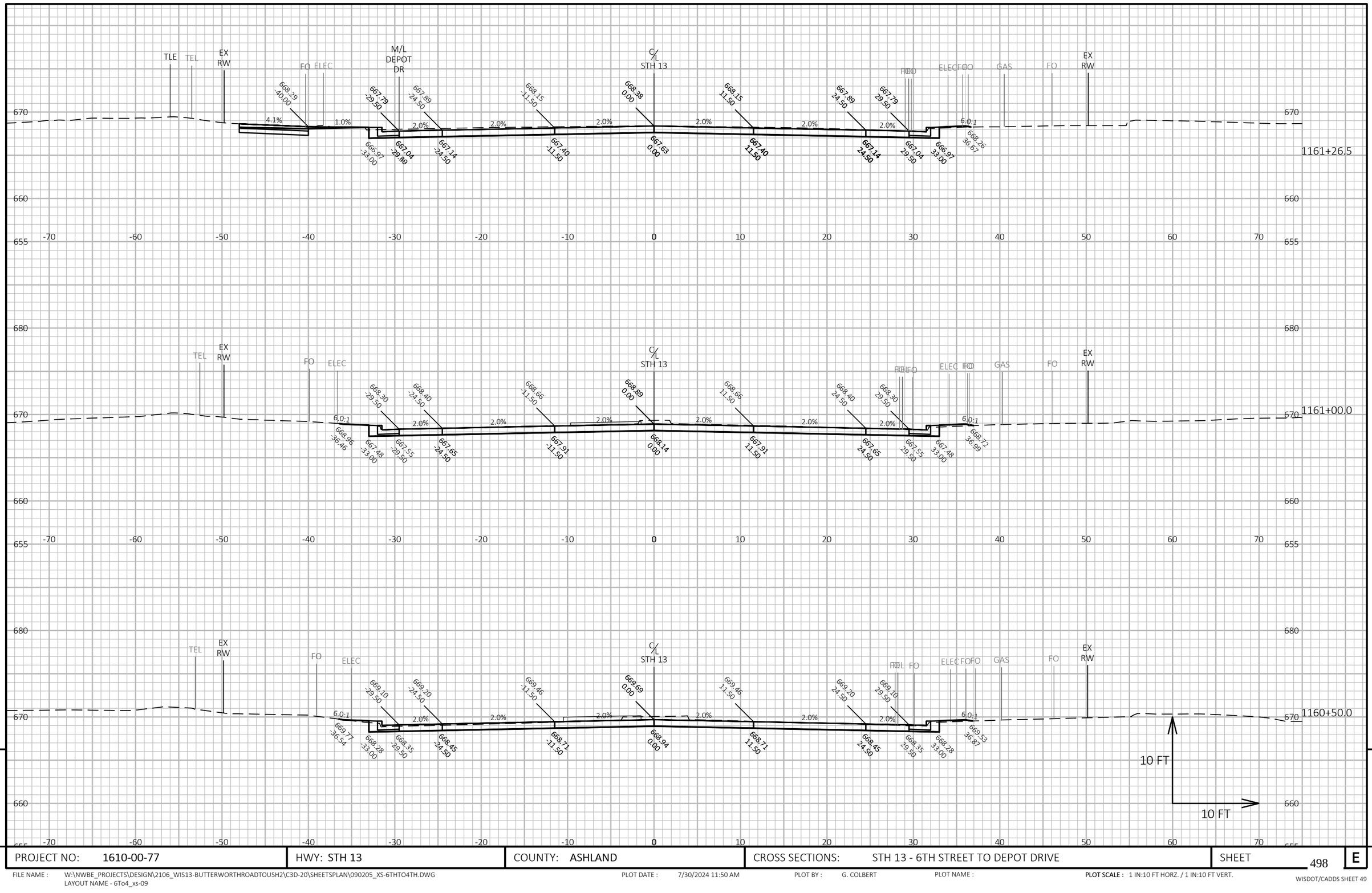
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FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090205_XS-6THTO4TH.DWG
LAYOUT NAME - 6To4_xs-08

PLOT DATE : 7/30/2024 11:50 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 6TH STREET TO DEPOT DRIVE	SHEET 498	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090205_XS-6THTO4TH.DWG
LAYOUT NAME - 6To4_xs-09

PLOT DATE : 7/30/2024 11:50 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

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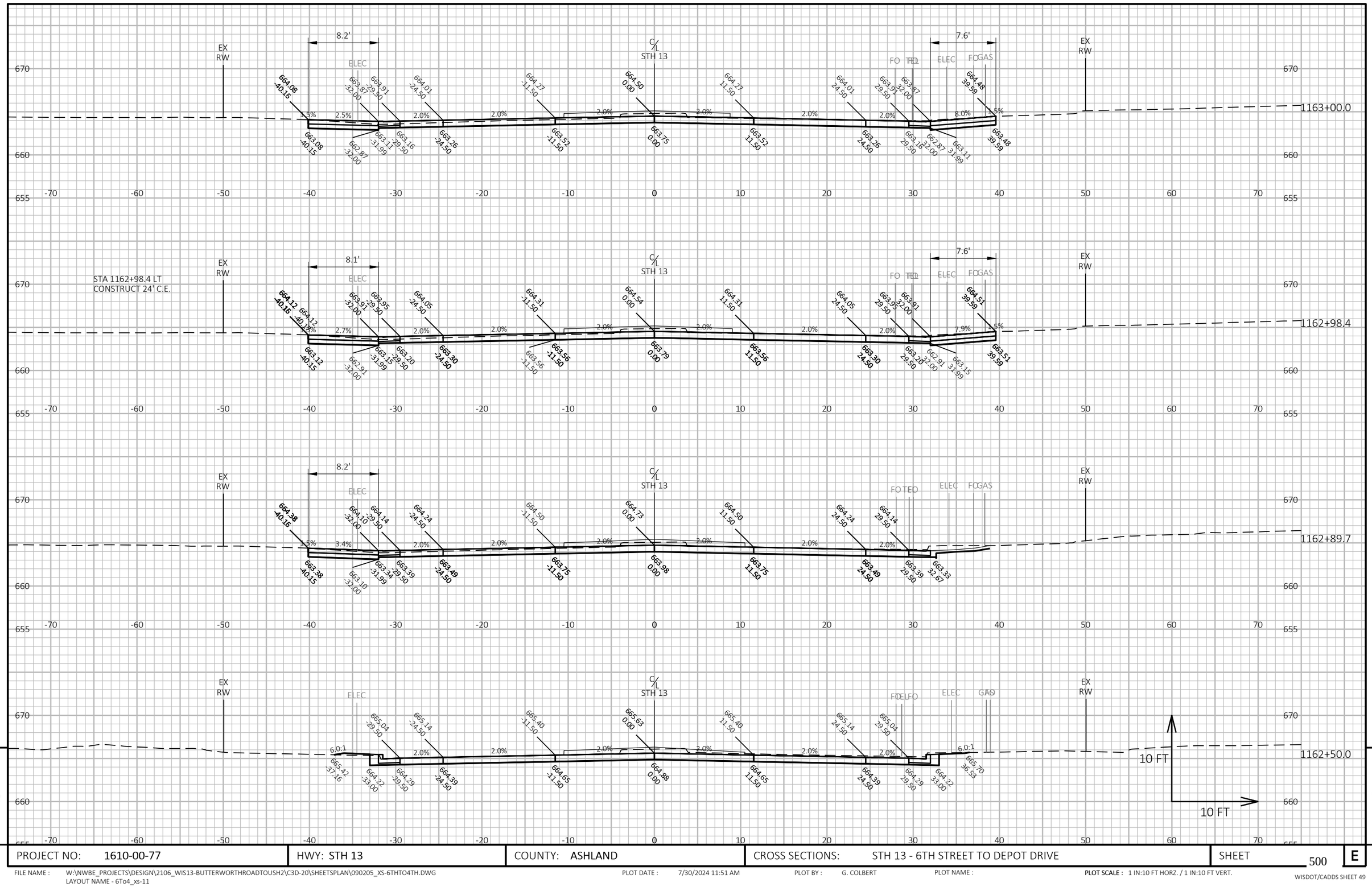
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 6TH STREET TO DEPOT DRIVE	SHEET 499	E

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FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090205_XS-6THTO4TH.DWG
LAYOUT NAME - 6To4_xs-10

PLOT DATE : 7/30/2024 11:50 AM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

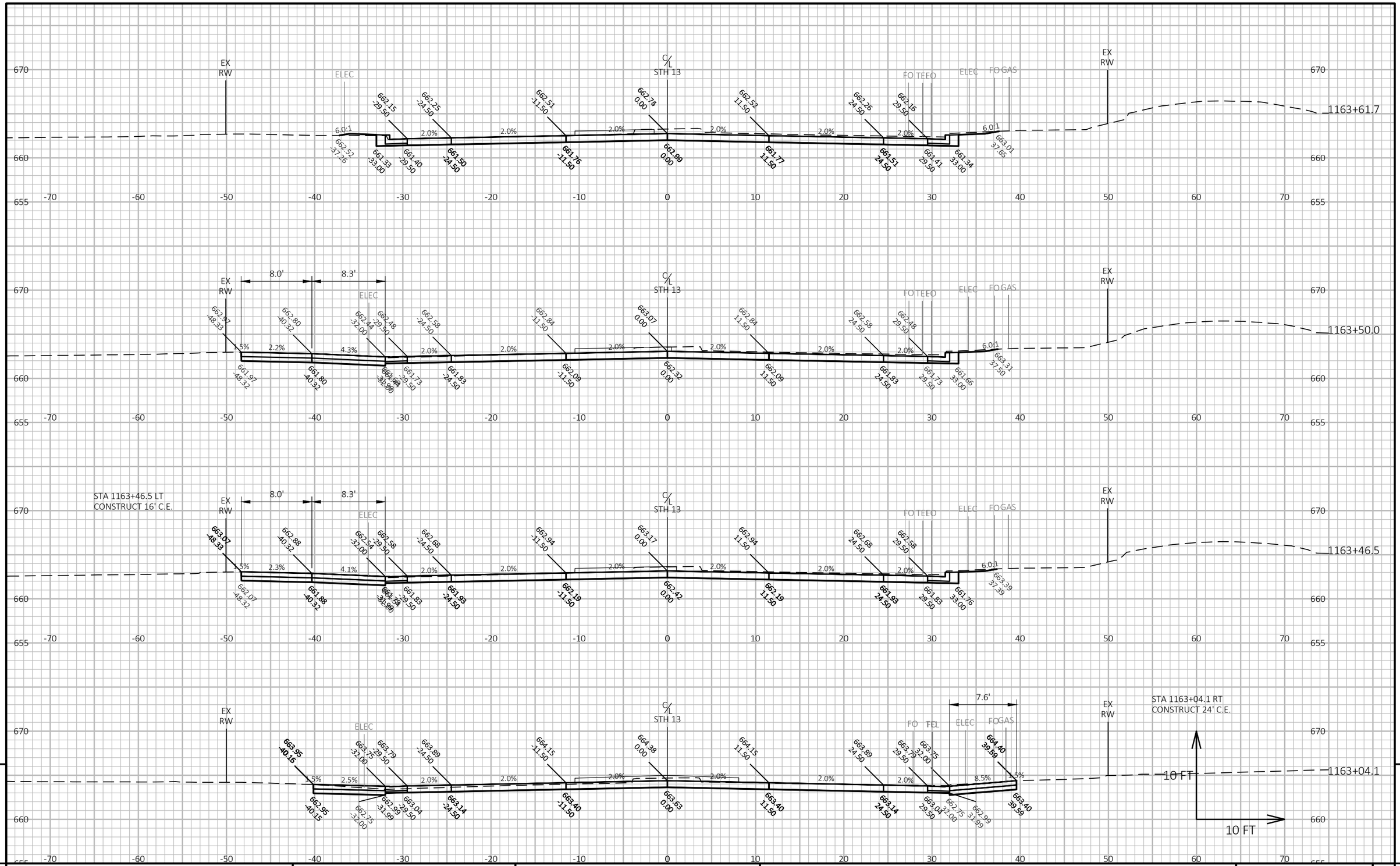


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - 6TH STREET TO DEPOT DRIVE	SHEET 500	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090205_XS-6THTO4TH.DWG
LAYOUT NAME - 6To4_xs-11

PLOT DATE : 7/30/2024 11:51 AM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



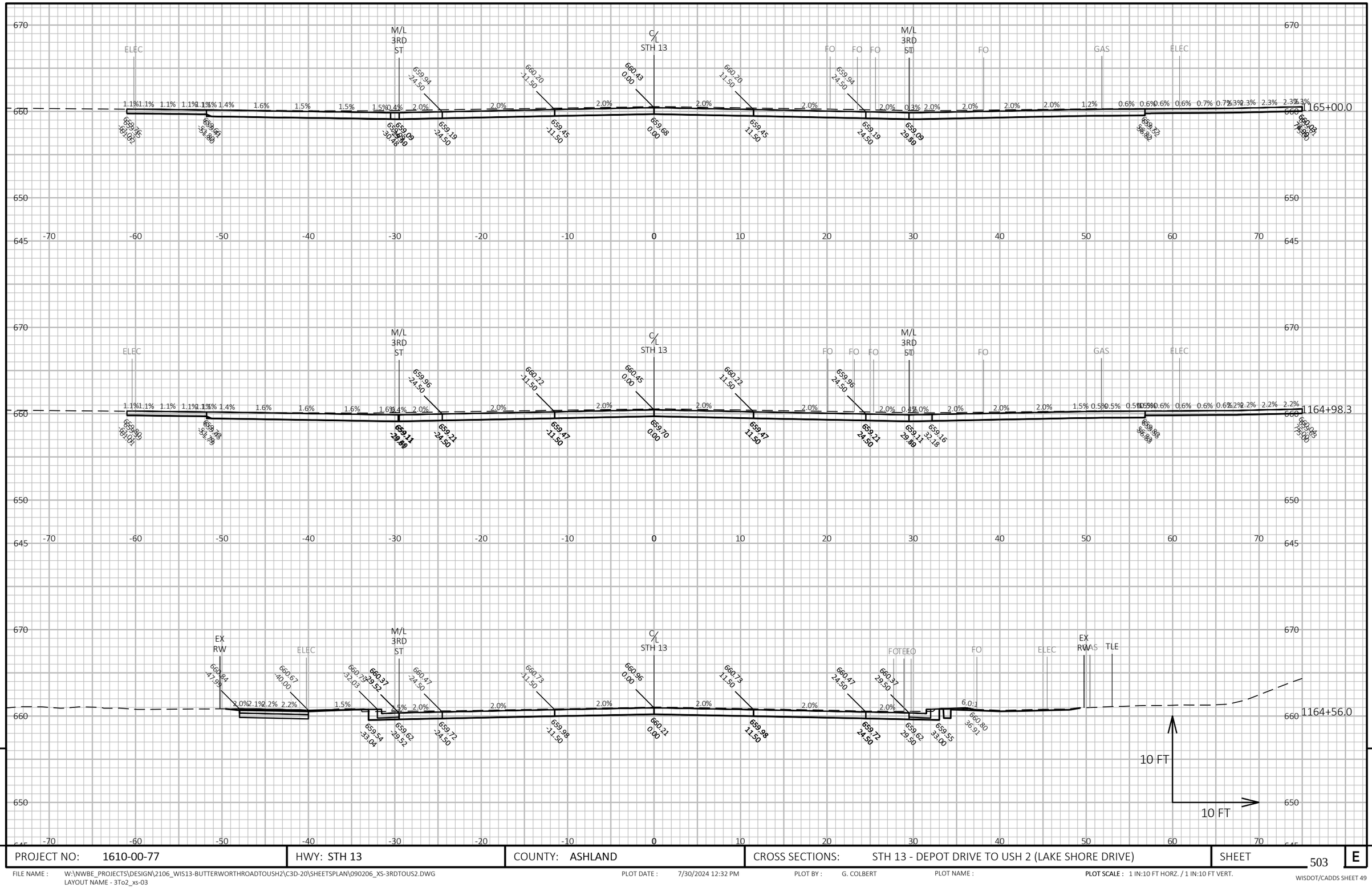
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - DEPOT DRIVE TO USH 2 (LAKE SHORE DRIVE)	SHEET 501	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090206_XS-3RDTOUS2.DWG
LAYOUT NAME - 3To2_xs-01
PLOT DATE : 7/30/2024 12:32 PM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

9

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - DEPOT DRIVE TO USH 2 (LAKE SHORE DRIVE)	SHEET 502	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090206_XS-3RDTOUS2.DWG
LAYOUT NAME - 3To2_xs-02
PLOT DATE : 7/30/2024 12:32 PM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

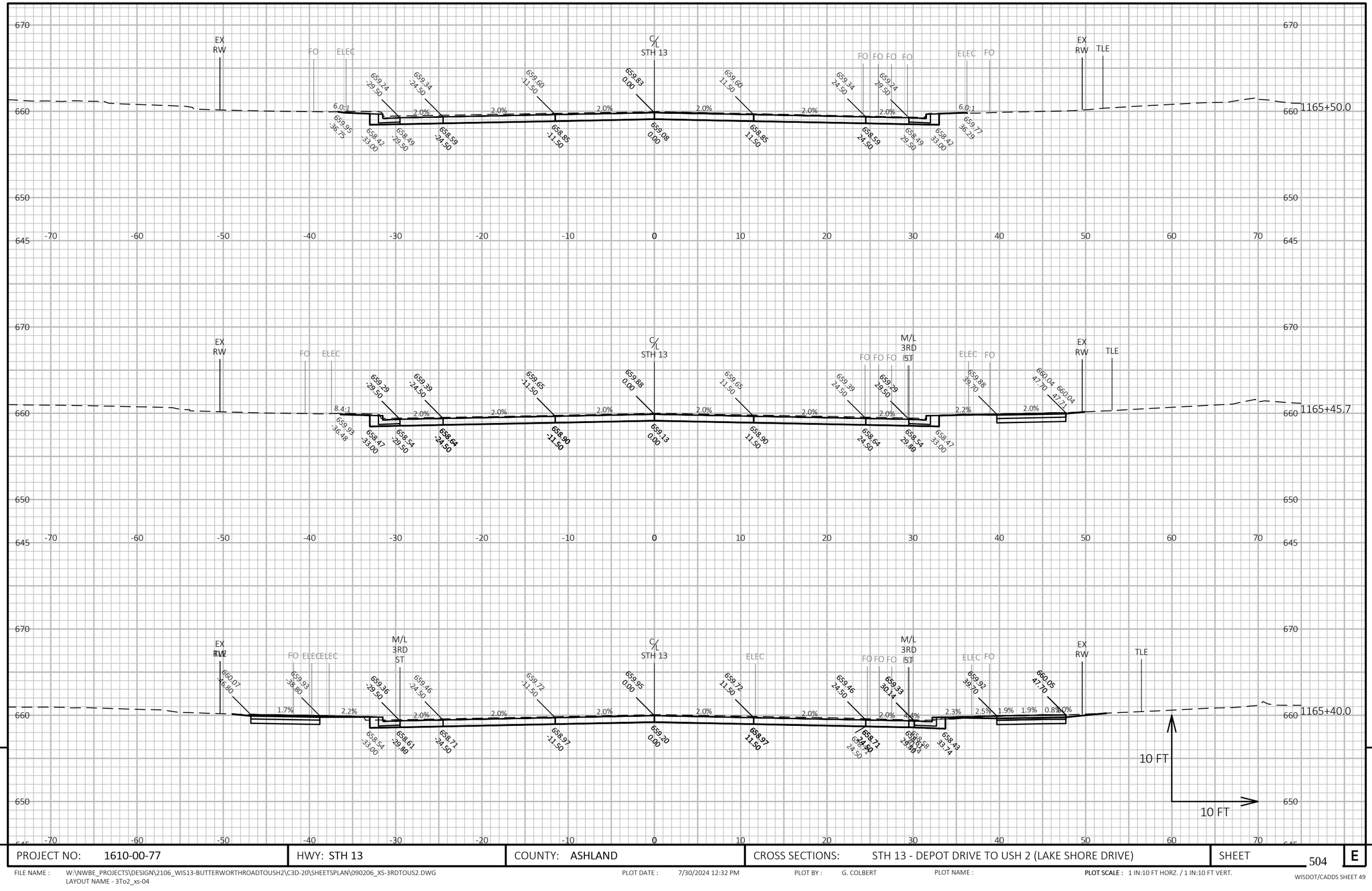


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - DEPOT DRIVE TO USH 2 (LAKE SHORE DRIVE)	SHEET 503 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090206_XS-3RDTOUS2.DWG
LAYOUT NAME - 3To2_xs-03

PLOT DATE : 7/30/2024 12:32 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - DEPOT DRIVE TO USH 2 (LAKE SHORE DRIVE)	SHEET 504	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090206_XS-3RDTOUS2.DWG
LAYOUT NAME - 3To2_xs-04

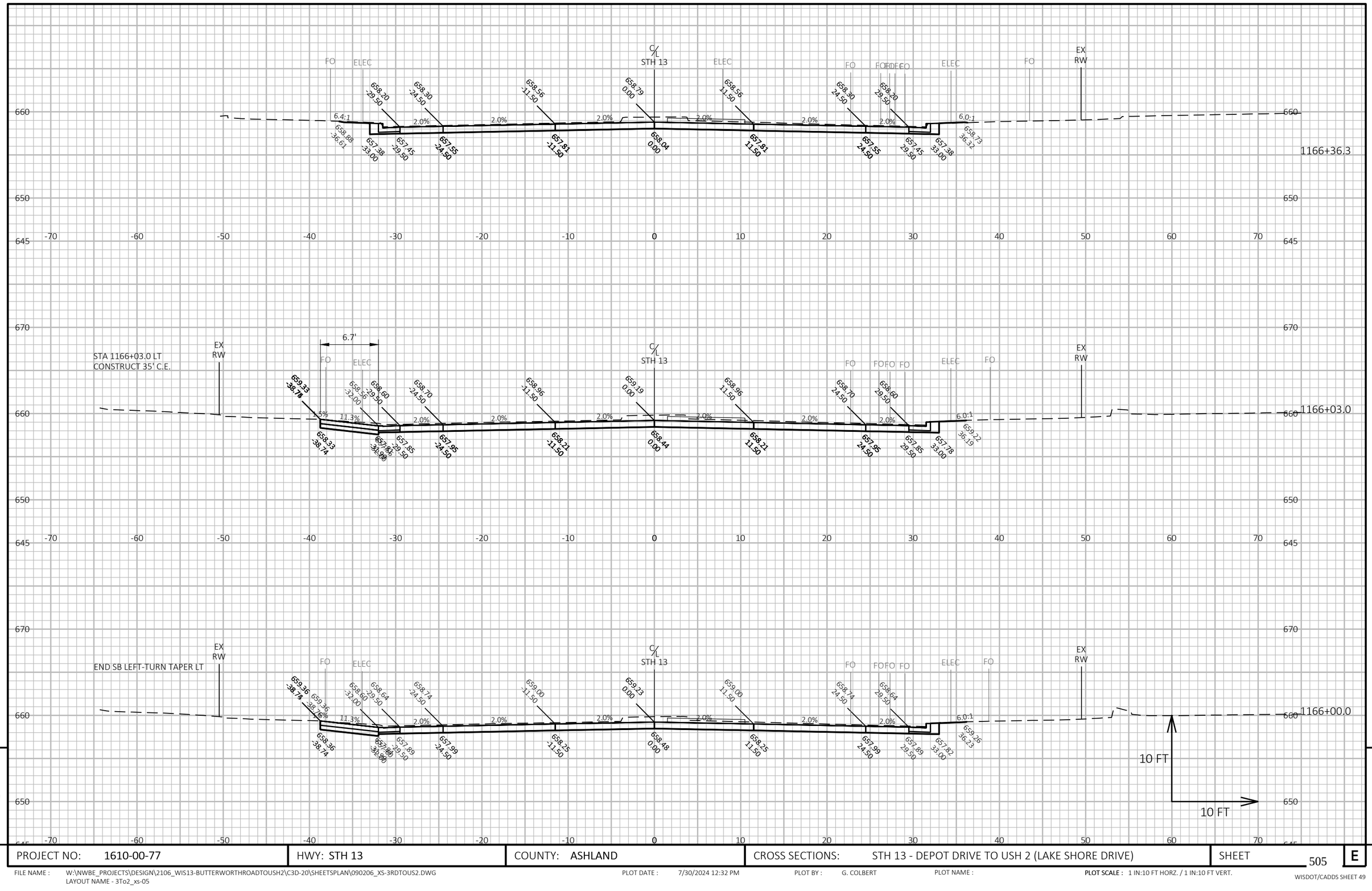
PLOT DATE : 7/30/2024 12:32 PM

PLOT BY : G. COLBERT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

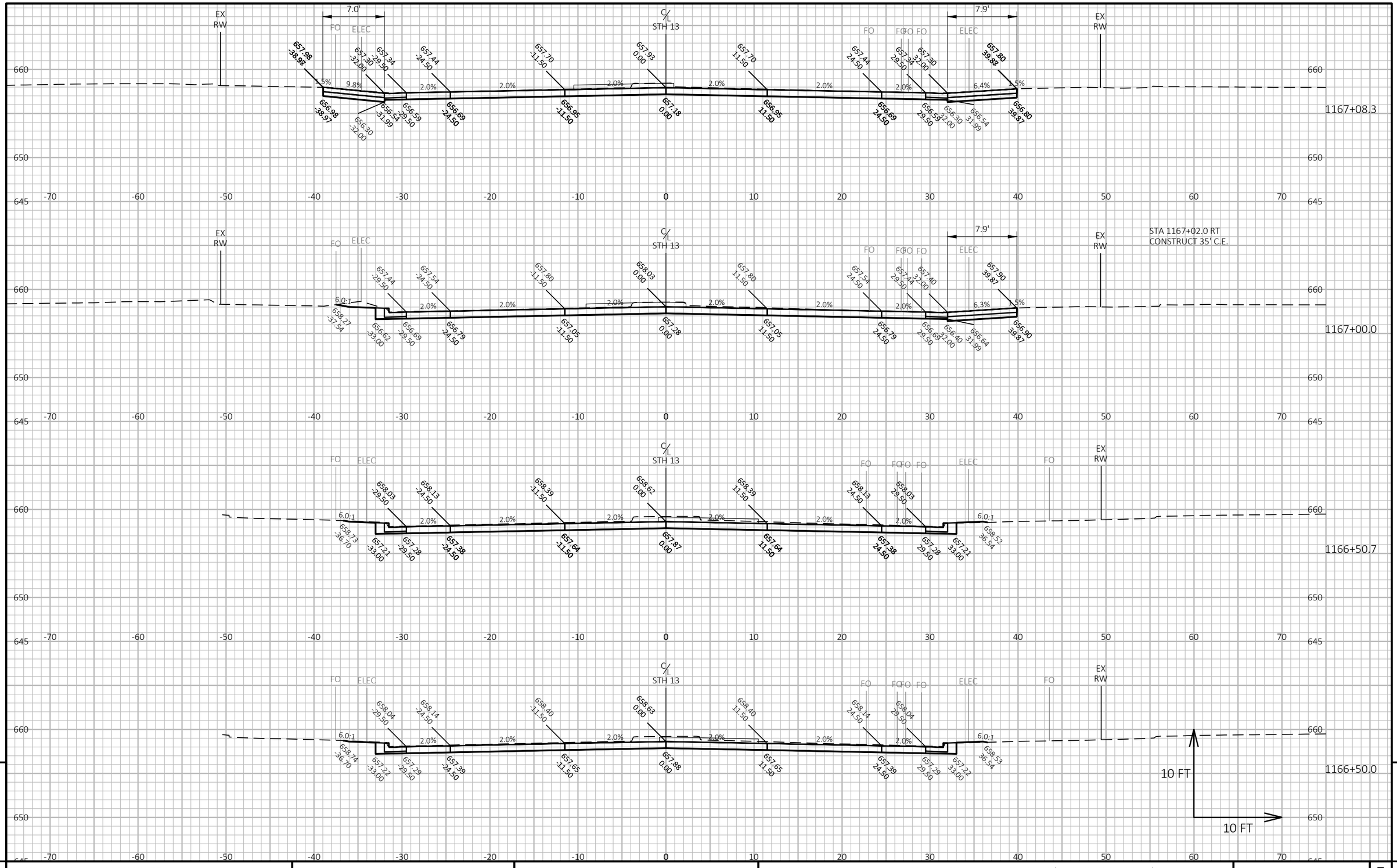
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - DEPOT DRIVE TO USH 2 (LAKE SHORE DRIVE)	SHEET 505	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090206_XS-3RDTOUS2.DWG
LAYOUT NAME - 3To2_xs-05

PLOT DATE : 7/30/2024 12:32 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

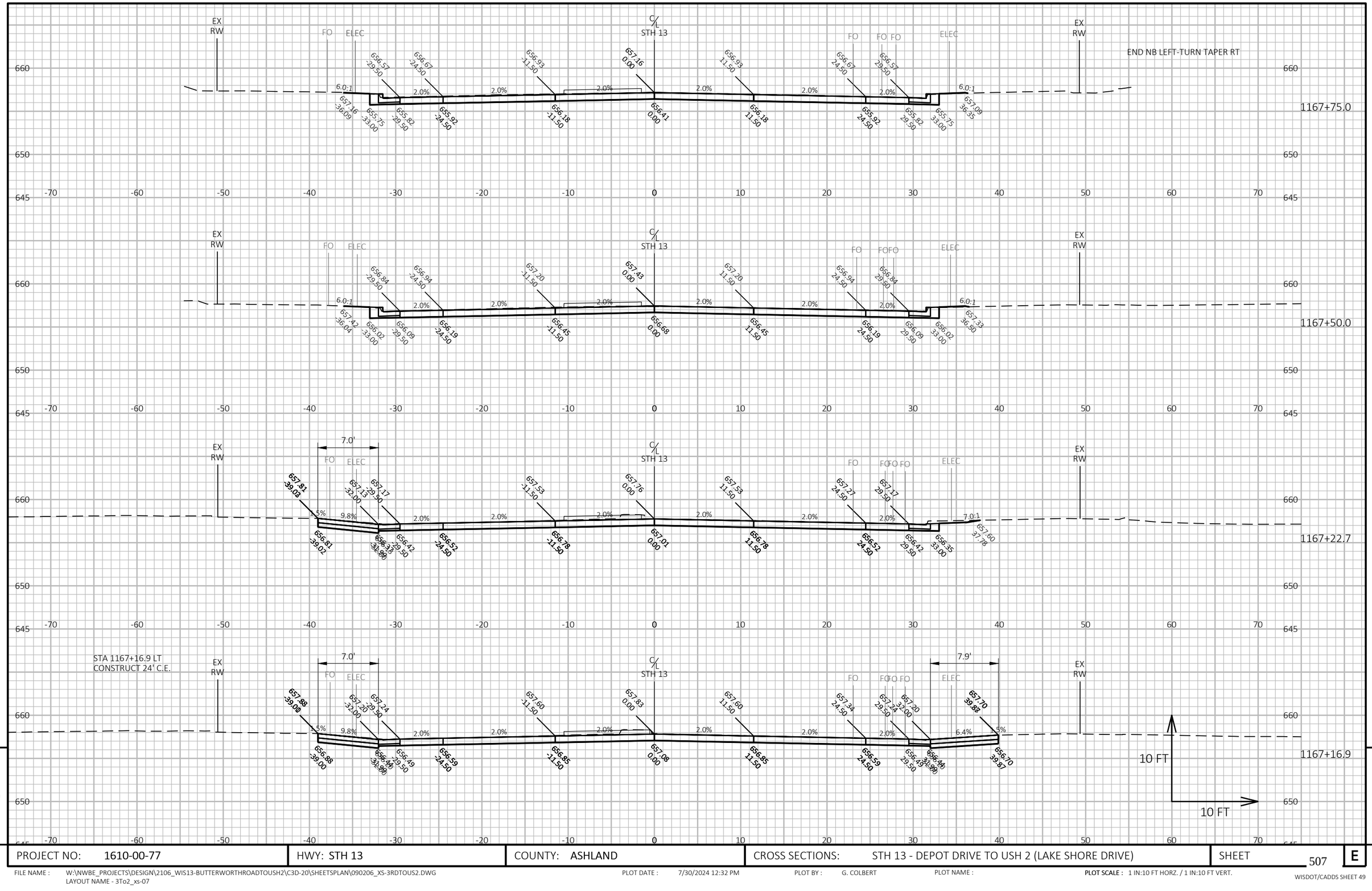


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - DEPOT DRIVE TO USH 2 (LAKE SHORE DRIVE)	SHEET 506 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090206_XS-3RDTOUS2.DWG
LAYOUT NAME - 3To2_xs-06

PLOT DATE : 7/30/2024 12:32 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

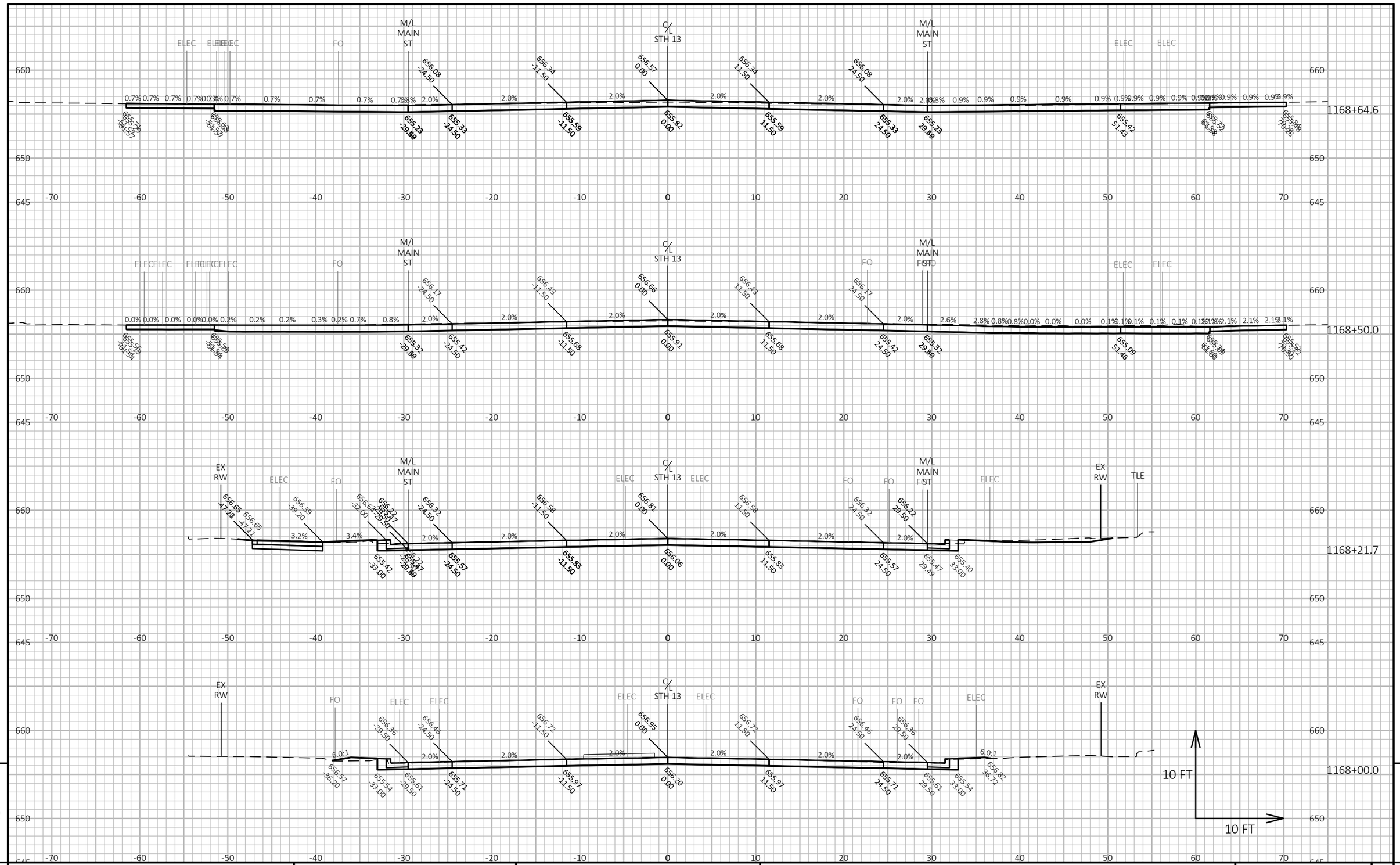
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - DEPOT DRIVE TO USH 2 (LAKE SHORE DRIVE)	SHEET 507	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090206_XS-3RDTOUS2.DWG
LAYOUT NAME - 3To2_xs-07

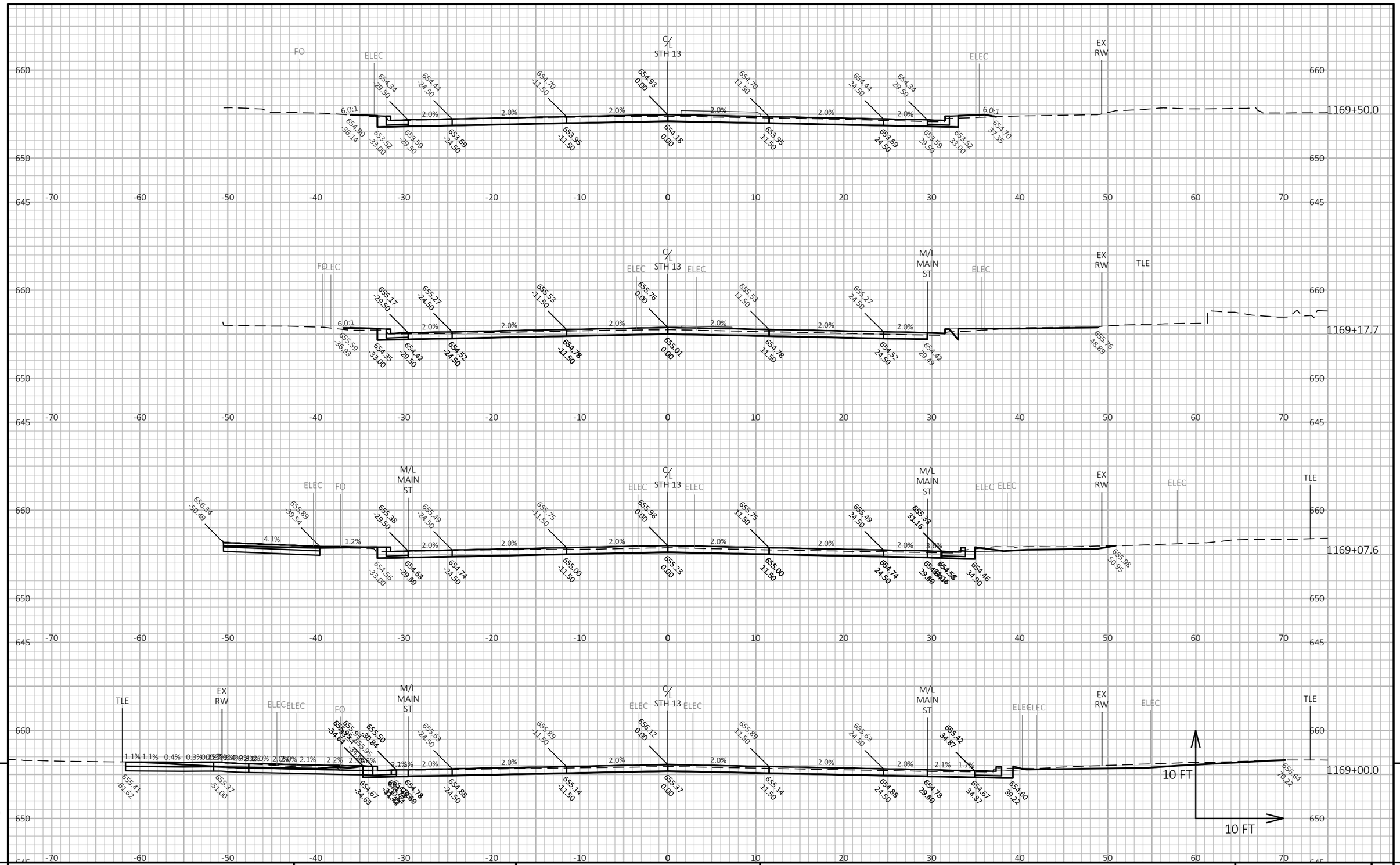
PLOT DATE : 7/30/2024 12:32 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - DEPOT DRIVE TO USH 2 (LAKE SHORE DRIVE)	SHEET 508 E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090206_XS-3RDTOUS2.DWG
LAYOUT NAME - 3To2_xs-08
PLOT DATE : 7/30/2024 12:32 PM
PLOT BY : G. COLBERT
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

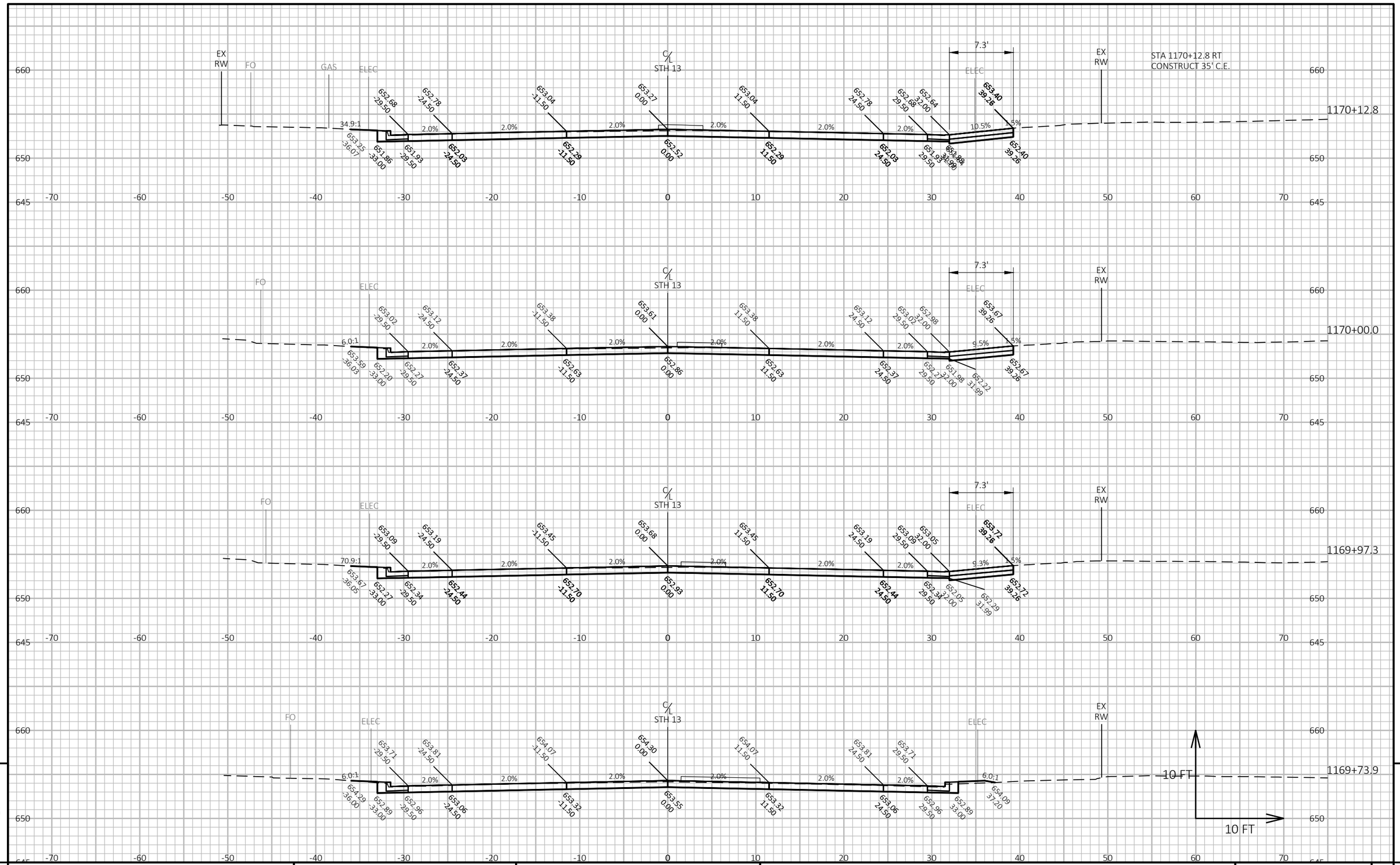
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - DEPOT DRIVE TO USH 2 (LAKE SHORE DRIVE)	SHEET 509	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090206_XS-3RDTOUS2.DWG
LAYOUT NAME - 3To2_xs-09

PLOT DATE : 7/30/2024 12:32 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

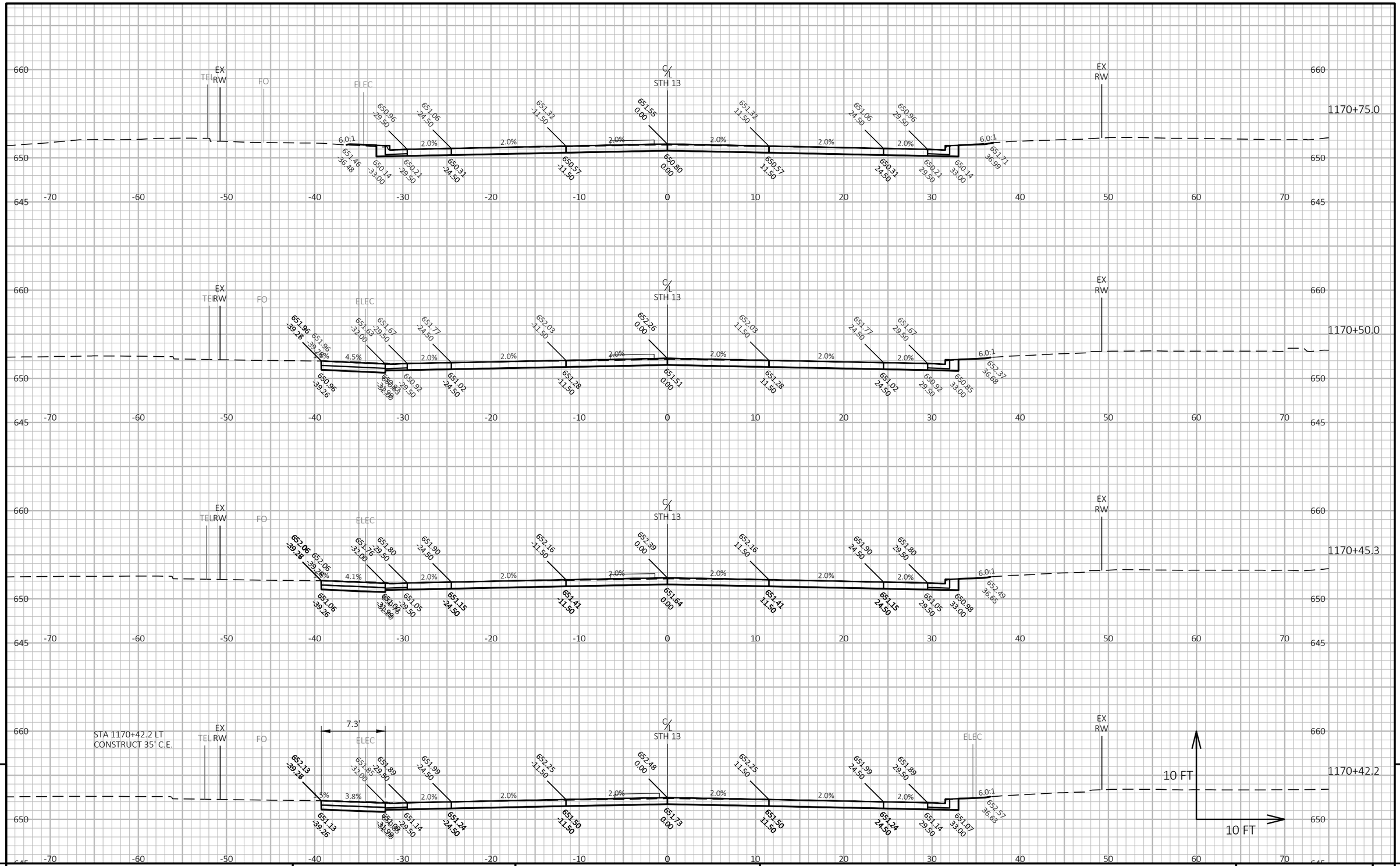
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - DEPOT DRIVE TO USH 2 (LAKE SHORE DRIVE)	SHEET 510	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090206_XS-3RDTOUS2.DWG
LAYOUT NAME - 3To2_xs-10

PLOT DATE : 7/30/2024 12:32 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

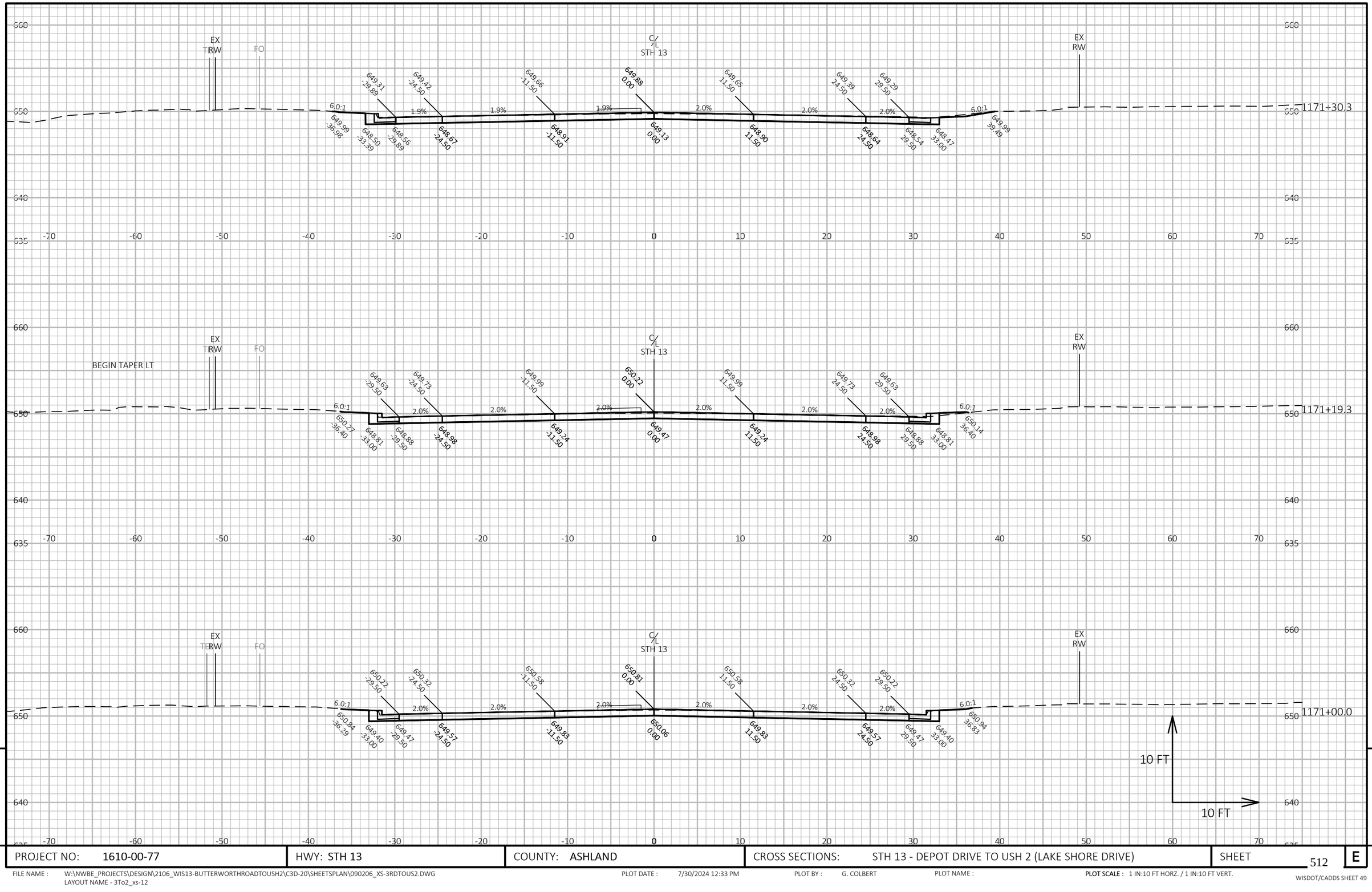
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PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - DEPOT DRIVE TO USH 2 (LAKE SHORE DRIVE)	SHEET 511	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090206_XS-3RDTOUS2.DWG
LAYOUT NAME - 3To2_xs-11

PLOT DATE : 7/30/2024 12:33 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



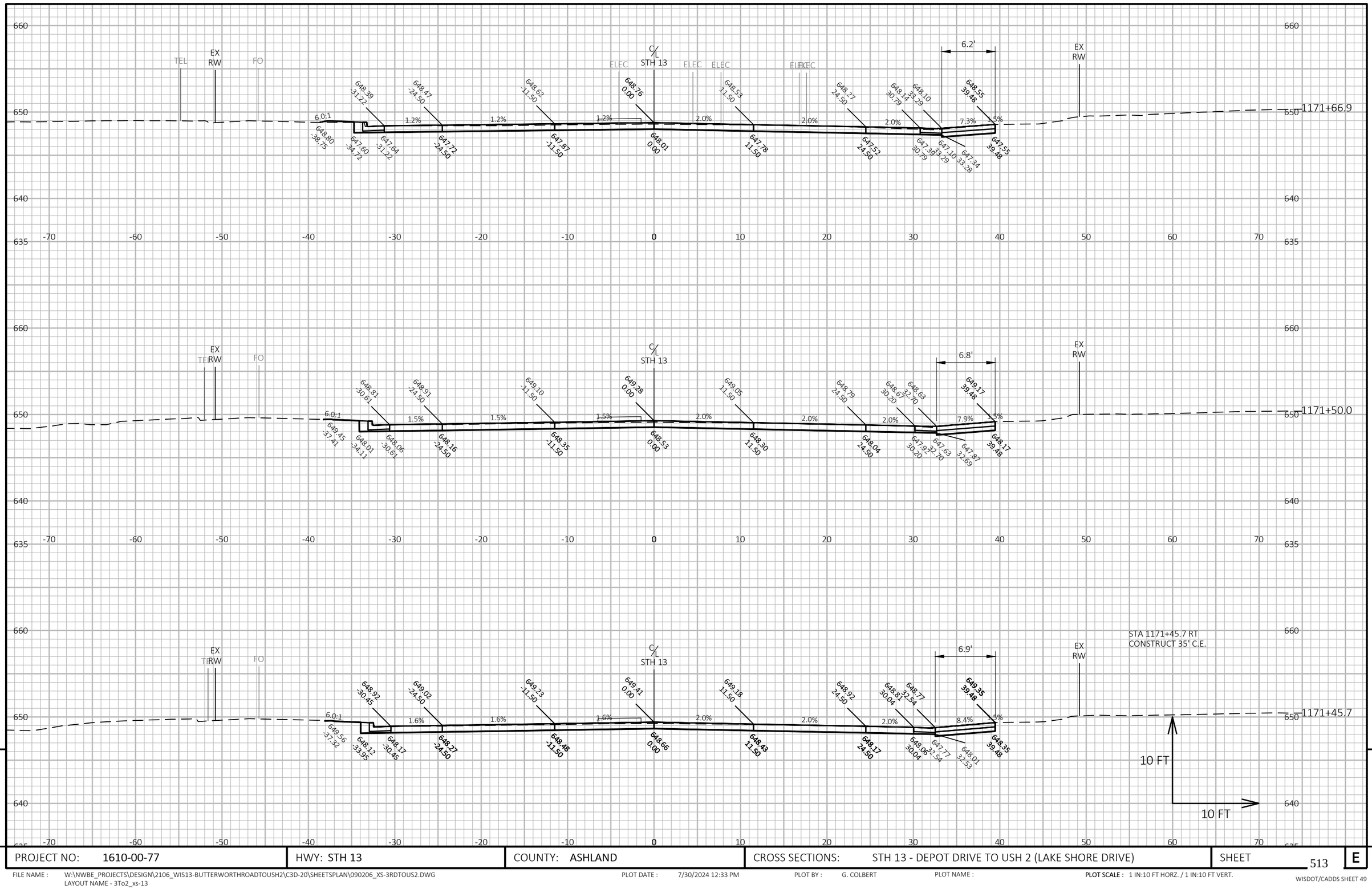
9

9

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - DEPOT DRIVE TO USH 2 (LAKE SHORE DRIVE)	SHEET 512	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090206_XS-3RDTOUS2.DWG
LAYOUT NAME - 3To2_xs-12

PLOT DATE : 7/30/2024 12:33 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

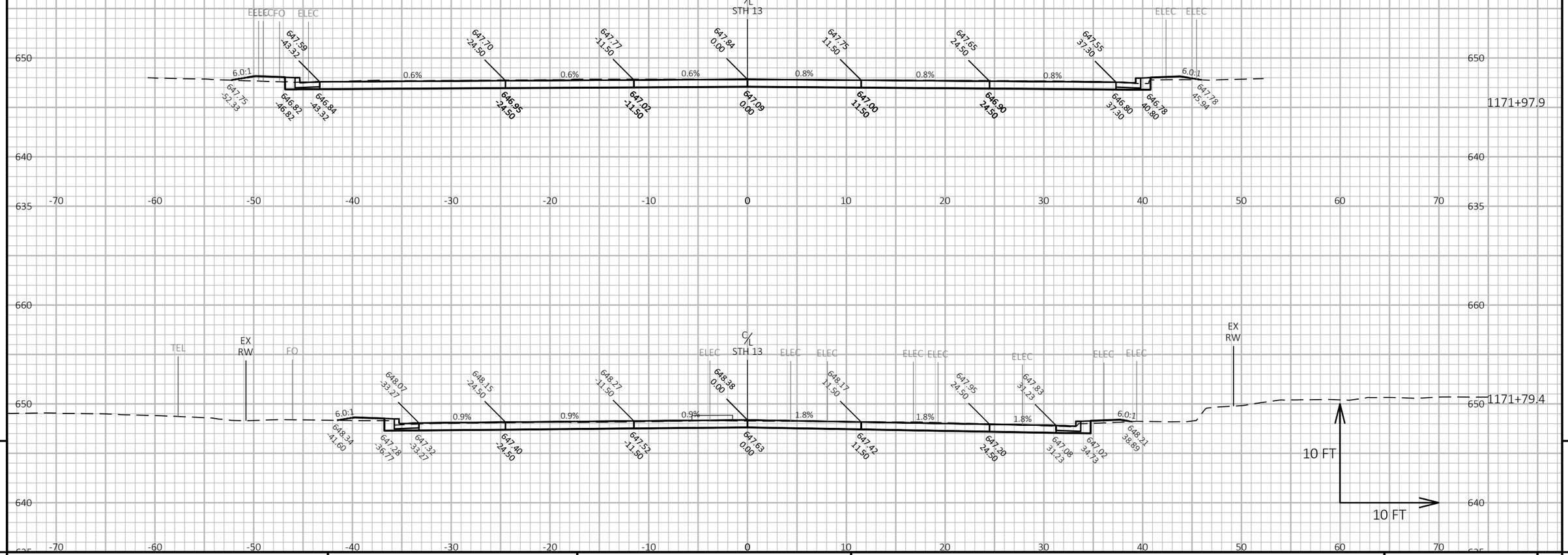
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - DEPOT DRIVE TO USH 2 (LAKE SHORE DRIVE)	SHEET 513	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090206_XS-3RDTOUS2.DWG
LAYOUT NAME - 3To2_xs-13

PLOT DATE : 7/30/2024 12:33 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STA. 1171+97.9
END CONCRETE PAVEMENT PLACEMENT



9

9

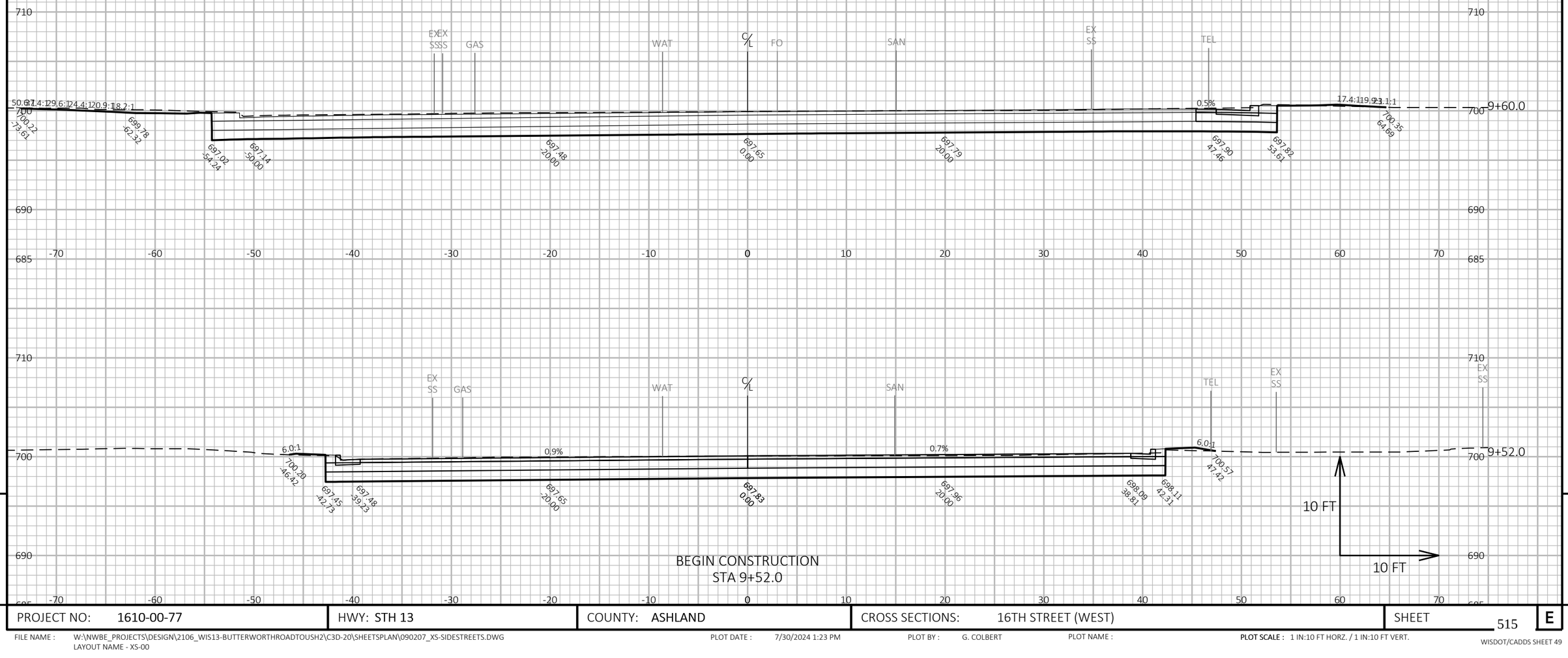
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: STH 13 - DEPOT DRIVE TO USH 2 (LAKE SHORE DRIVE)	SHEET 514	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090206_XS-3RDTOUS2.DWG
LAYOUT NAME - 3To2_xs-14

PLOT DATE : 7/30/2024 12:33 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

MATCH STH 13
STA 9+60.0



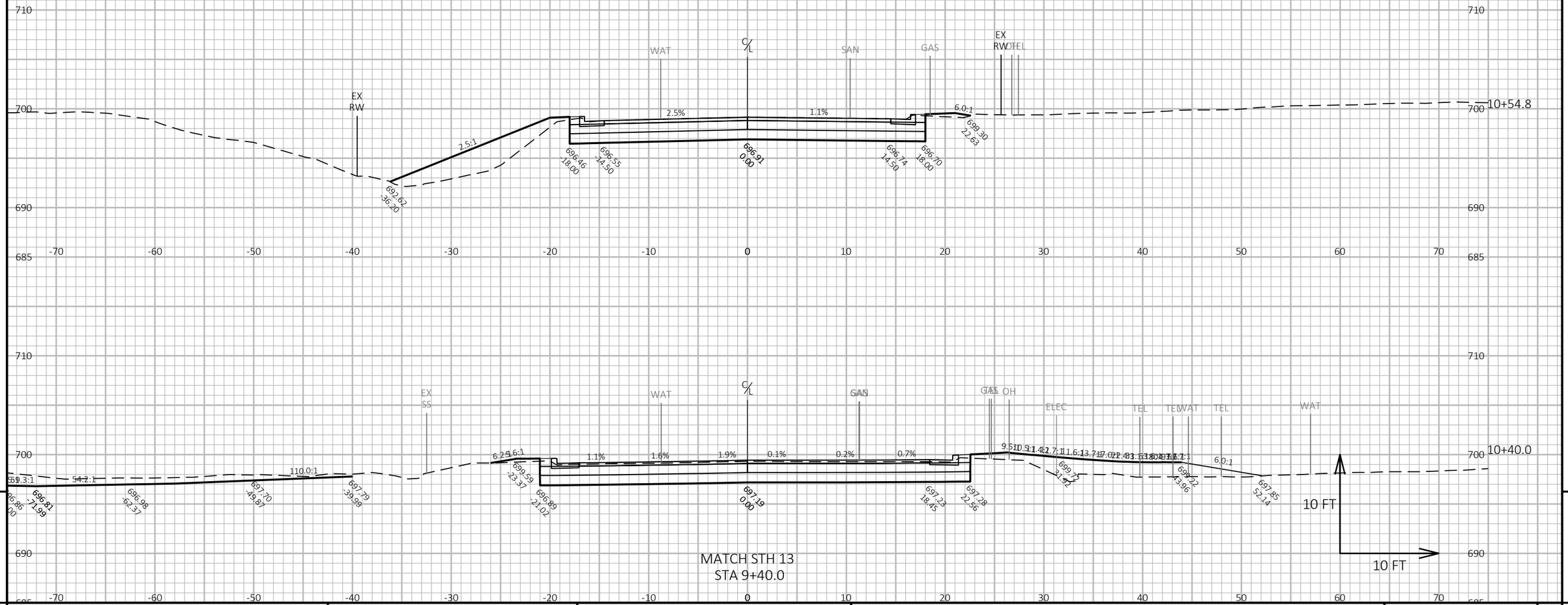
9 9

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: 16TH STREET (WEST)	SHEET 515	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-00

PLOT DATE : 7/30/2024 1:23 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

END CONSTRUCTION
STA 10+54.8



MATCH STH 13
STA 9+40.0

9

9

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: 16TH STREET (EAST)	SHEET 516	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-01

PLOT DATE : 7/30/2024 1:23 PM

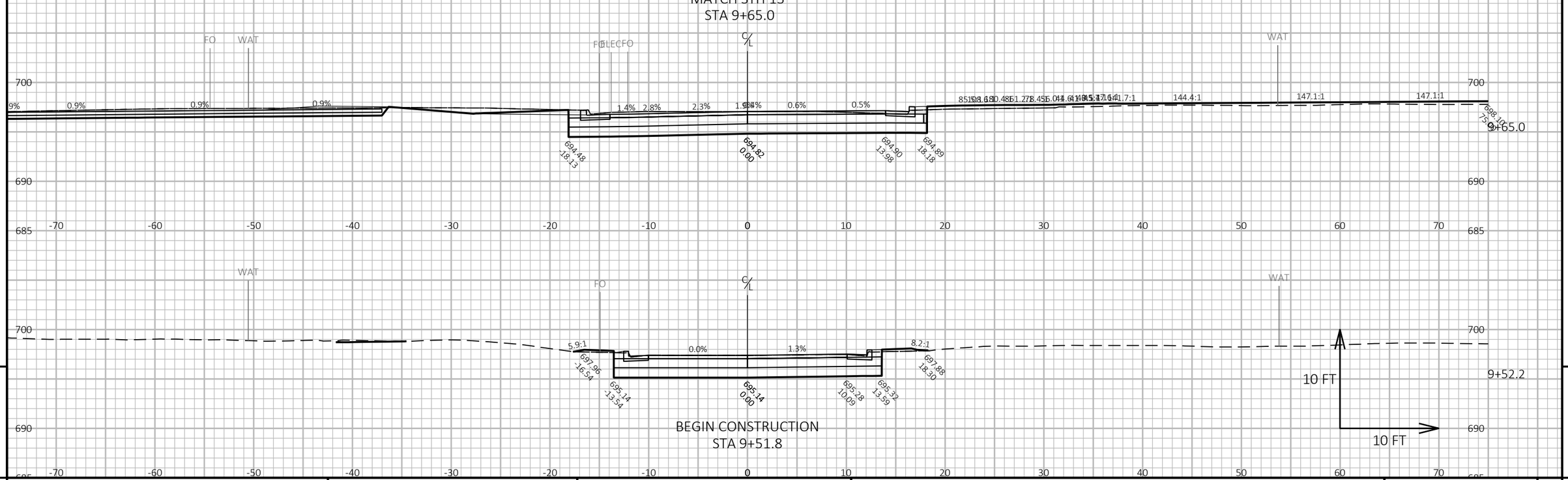
PLOT BY : G. COLBERT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

MATCH STH 13
STA 9+65.0



9 9

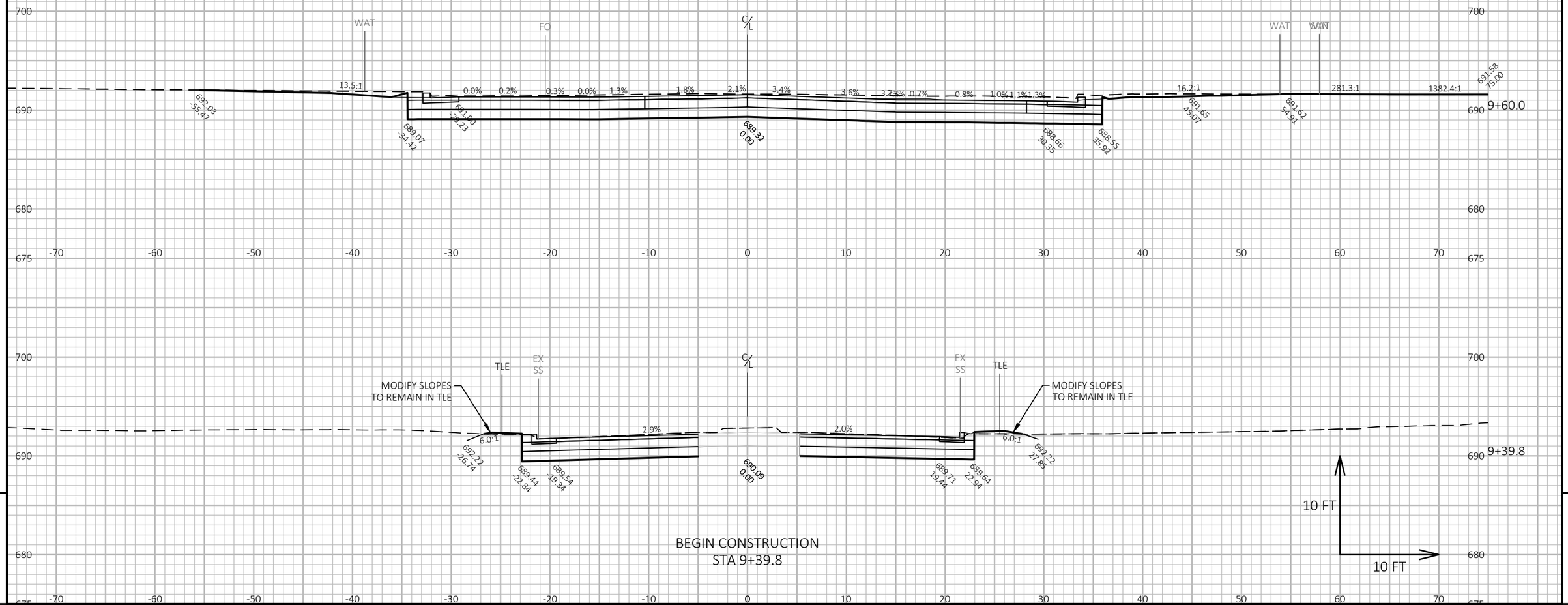
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: NORTHLAND COLLEGE (SOUTH)	SHEET 517	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-02

PLOT DATE : 7/30/2024 1:23 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

MATCH STH 13
STA 9+60.0



9 9

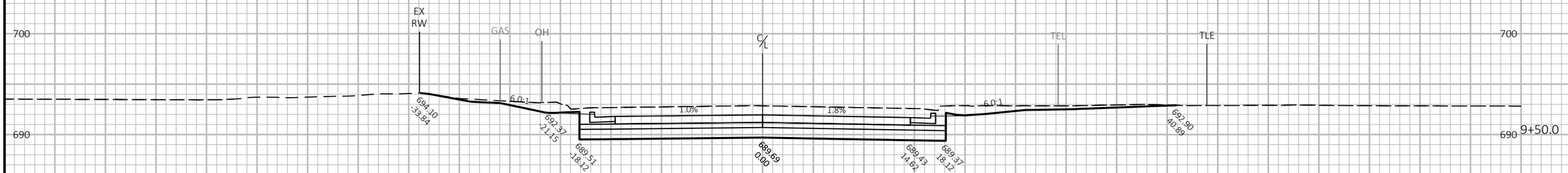
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: NORTHLAND COLLEGE (NORTH)	SHEET 518	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-03

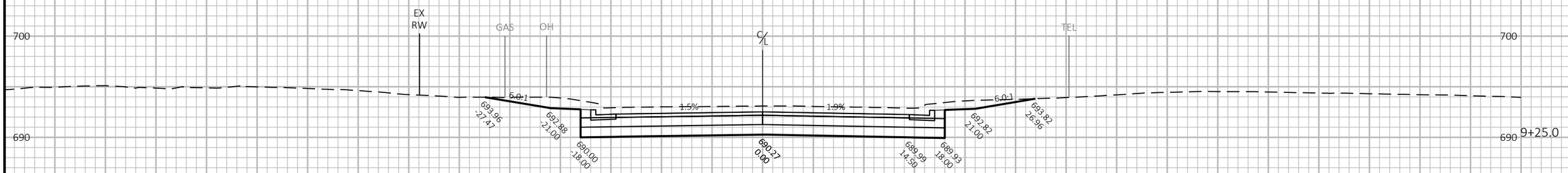
PLOT DATE : 7/30/2024 1:23 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

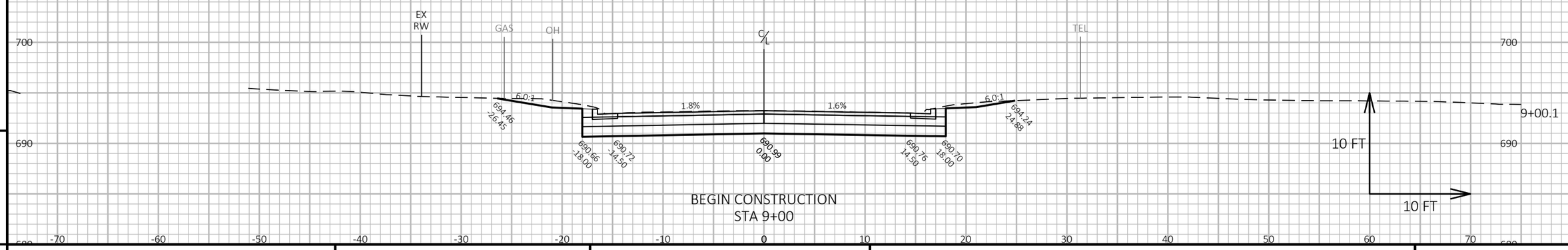
MATCH STH 13
STA 9+50.0



9+25.0



9+00.1



BEGIN CONSTRUCTION
STA 9+00

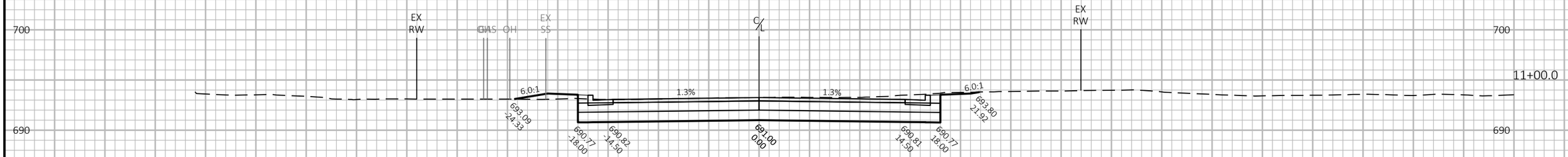
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: 12TH STREET (WEST)	SHEET 519	E

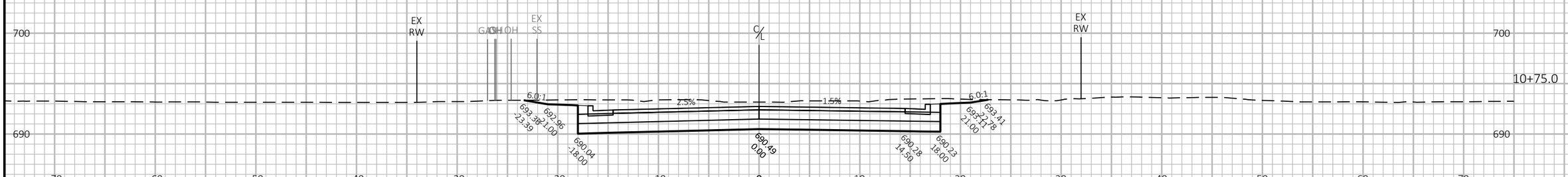
FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-04

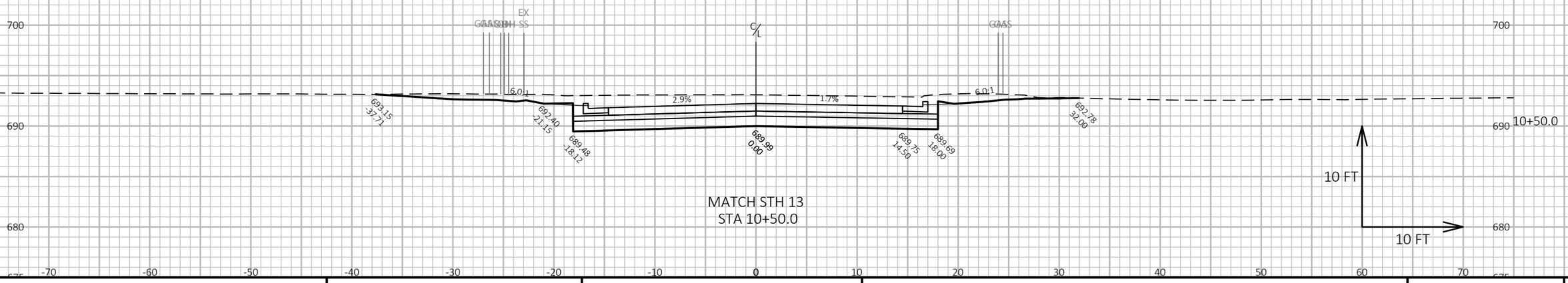
PLOT DATE : 7/30/2024 1:23 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 11+00.0







MATCH STH 13
STA 10+50.0

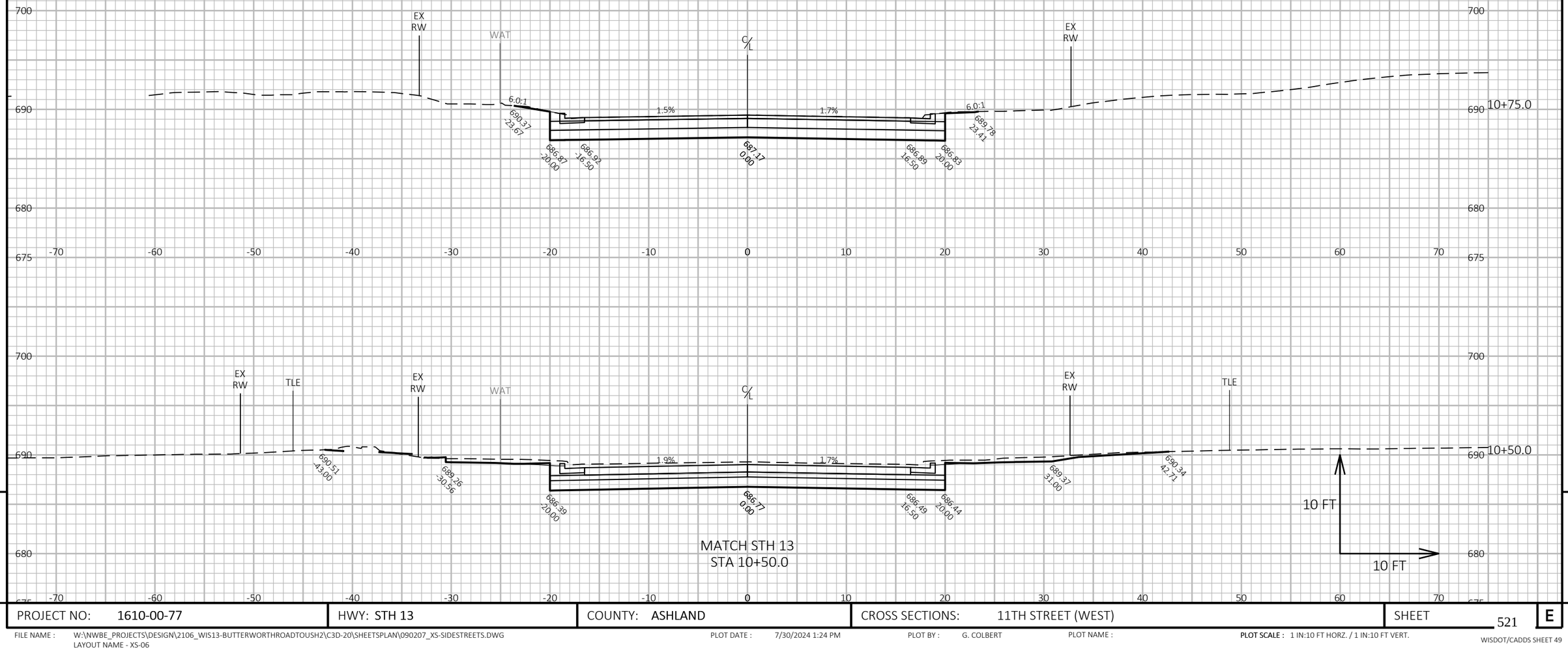
9 9

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: 12TH STREET (EAST)	SHEET 520	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-05

PLOT DATE : 7/30/2024 1:24 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

END CONSTRUCTION
STA 10+75.0



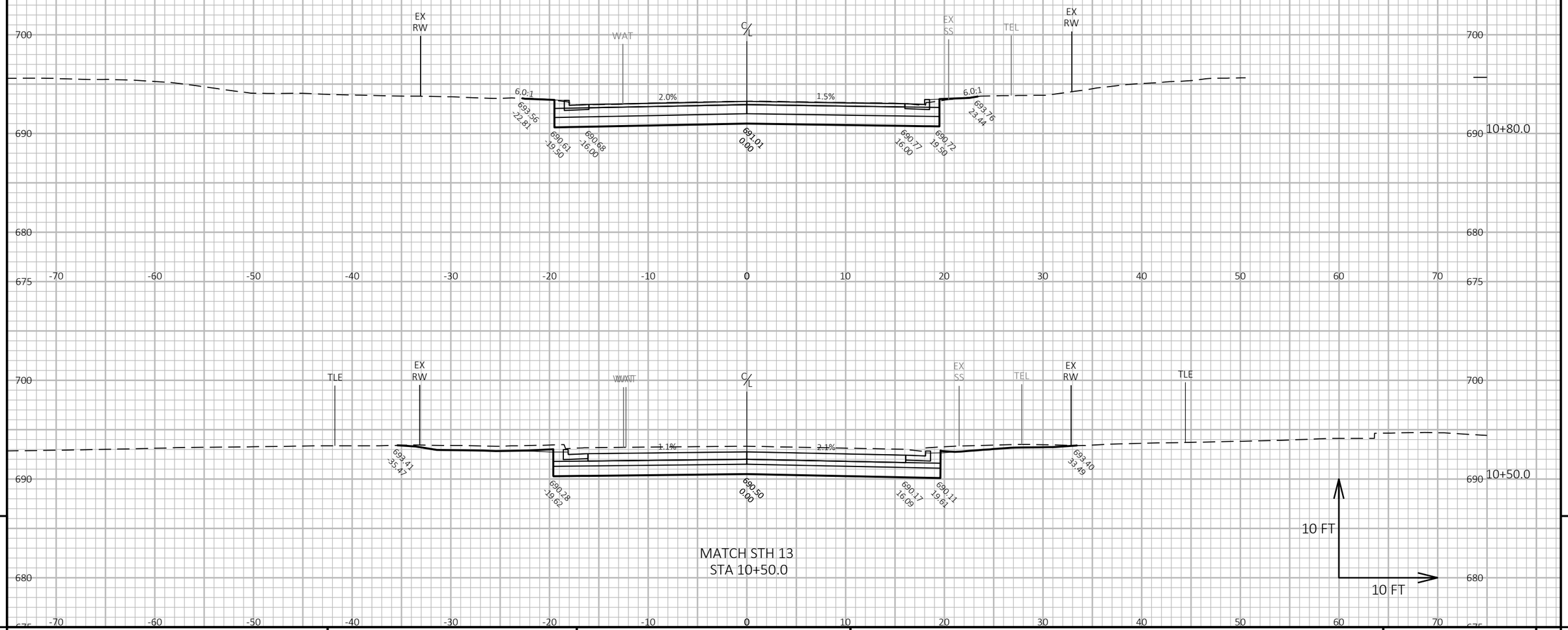
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: 11TH STREET (WEST)	SHEET 521	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-06

PLOT DATE : 7/30/2024 1:24 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 10+80.0



MATCH STH 13
STA 10+50.0

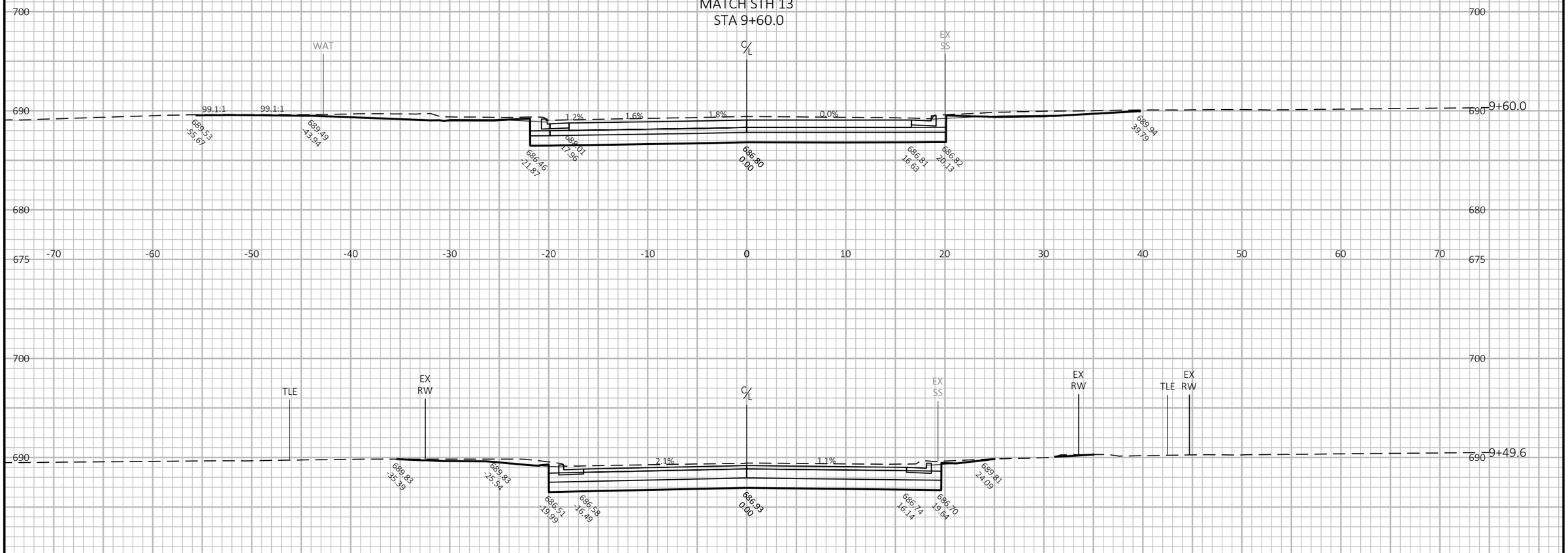
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: 11TH STREET (EAST)	SHEET 522	E

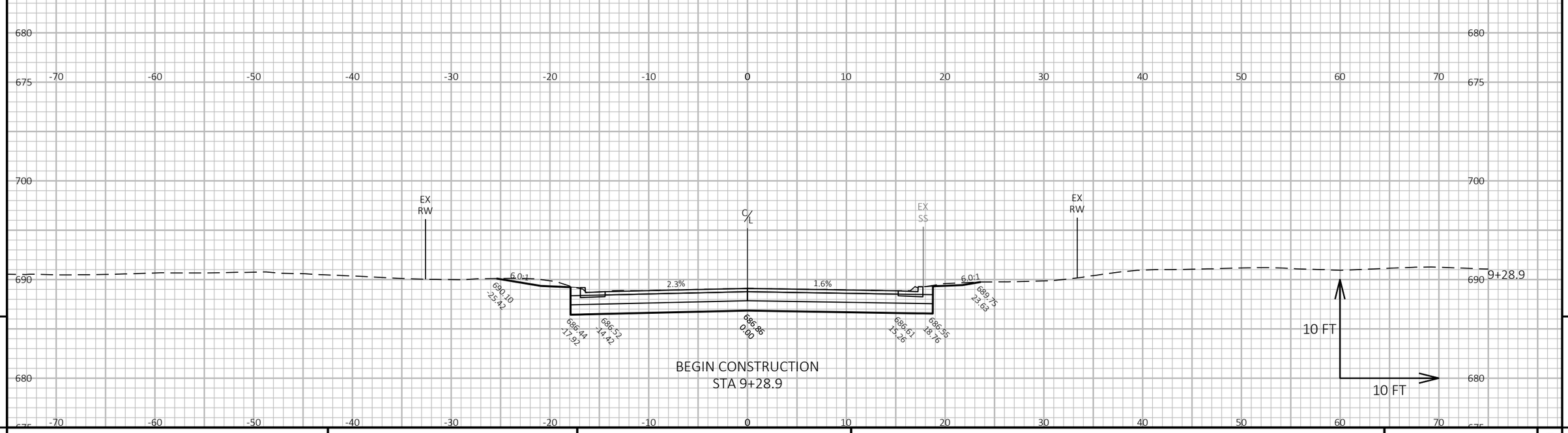
FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-07

PLOT DATE : 7/30/2024 1:24 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

MATCH STH 13
STA 9+60.0





BEGIN CONSTRUCTION
STA 9+28.9

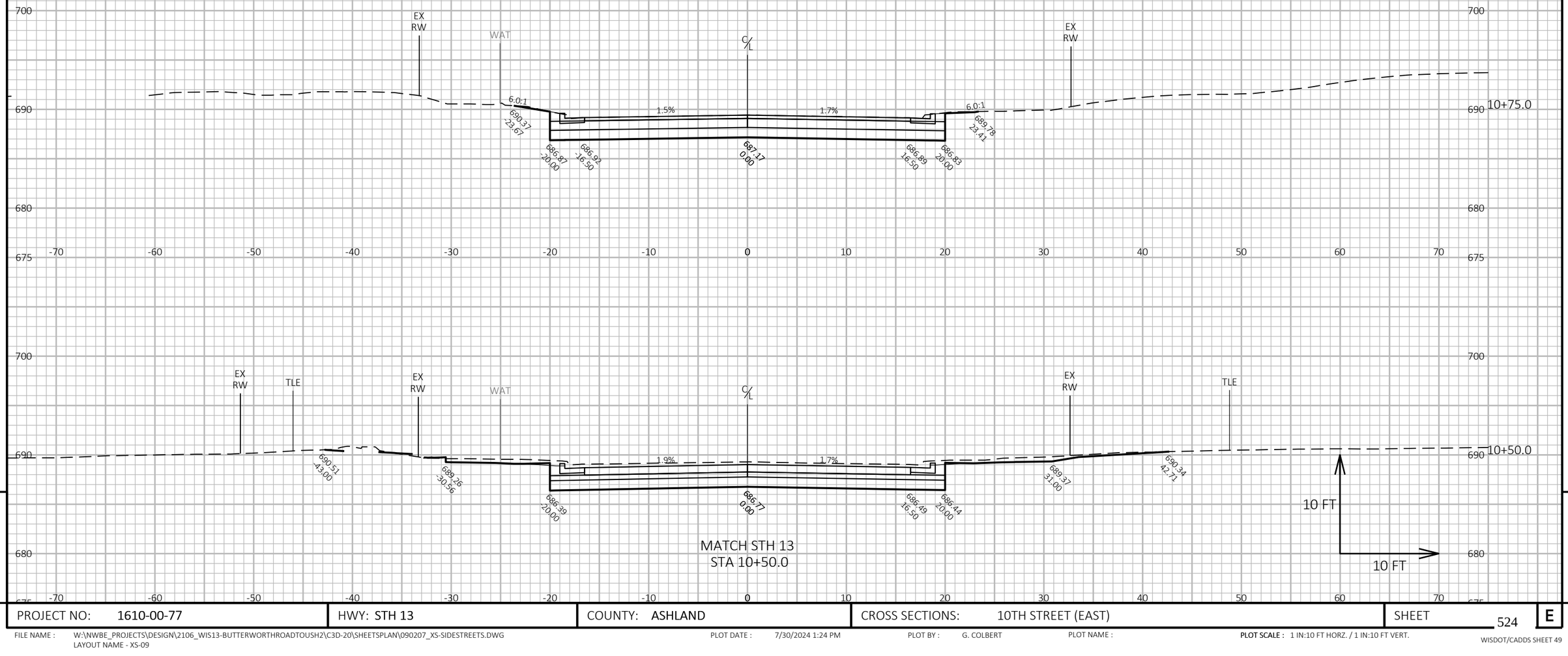
9 9

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: 10TH STREET (WEST)	SHEET 523	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-08

PLOT DATE : 7/30/2024 1:24 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

END CONSTRUCTION
STA 10+75.0



9 9

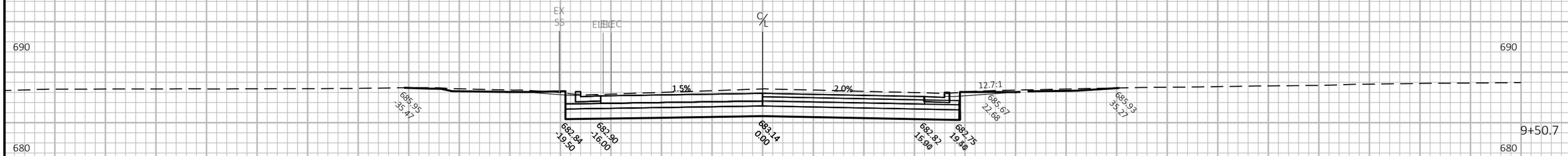
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: 10TH STREET (EAST)	SHEET 524	E

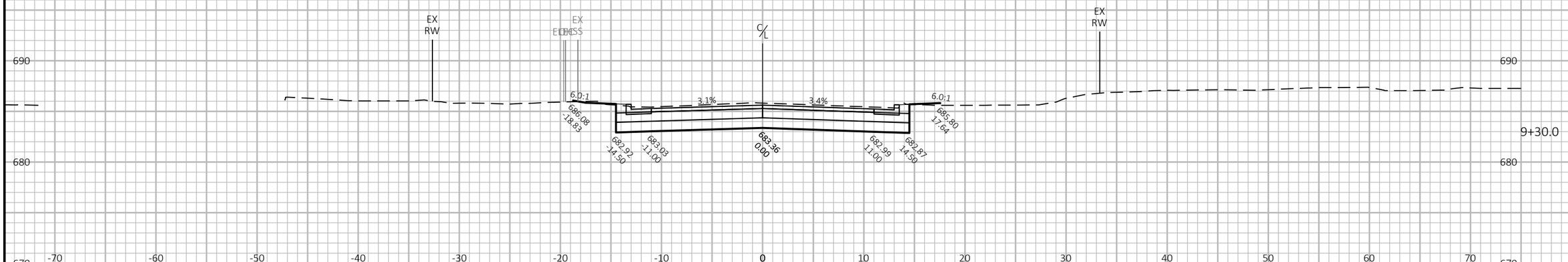
FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-09

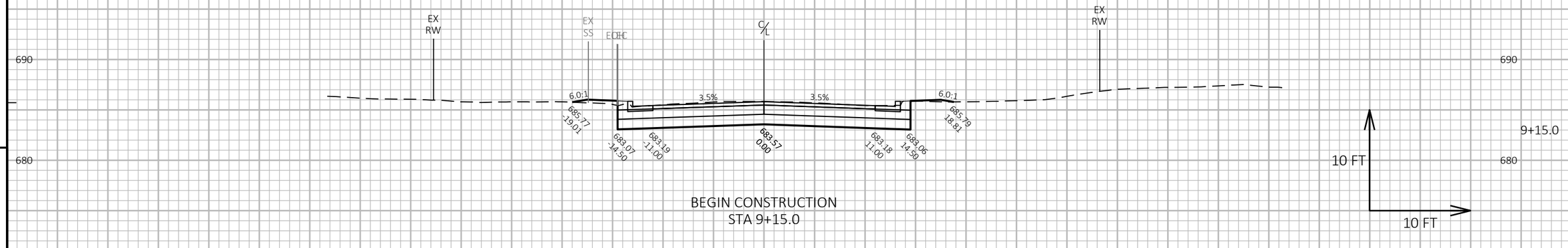
PLOT DATE : 7/30/2024 1:24 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

MATCH STH 13
STA 9+50.7







BEGIN CONSTRUCTION
STA 9+15.0

9

9

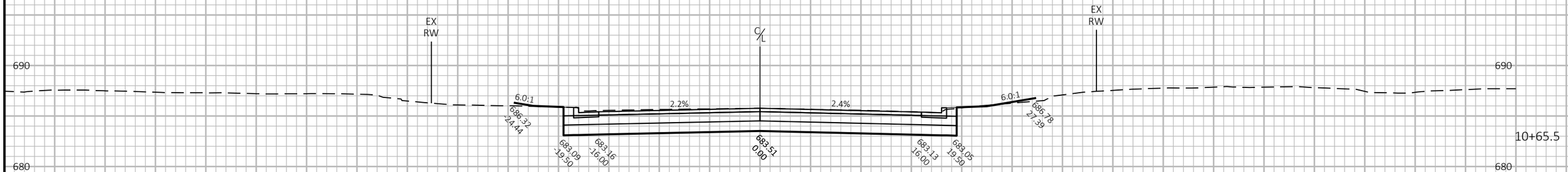
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: 9TH STREET (WEST)	SHEET 525	E

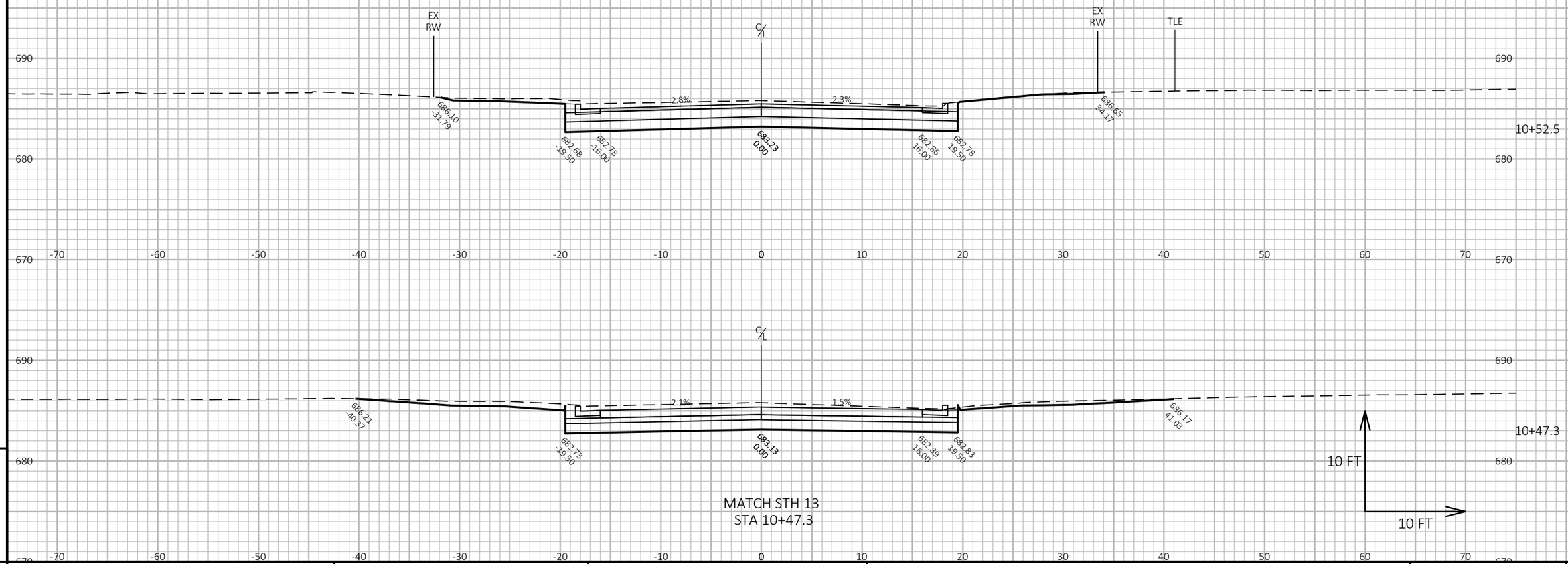
FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-10

PLOT DATE : 7/30/2024 1:24 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 10+65.5





MATCH STH 13
STA 10+47.3

9 9

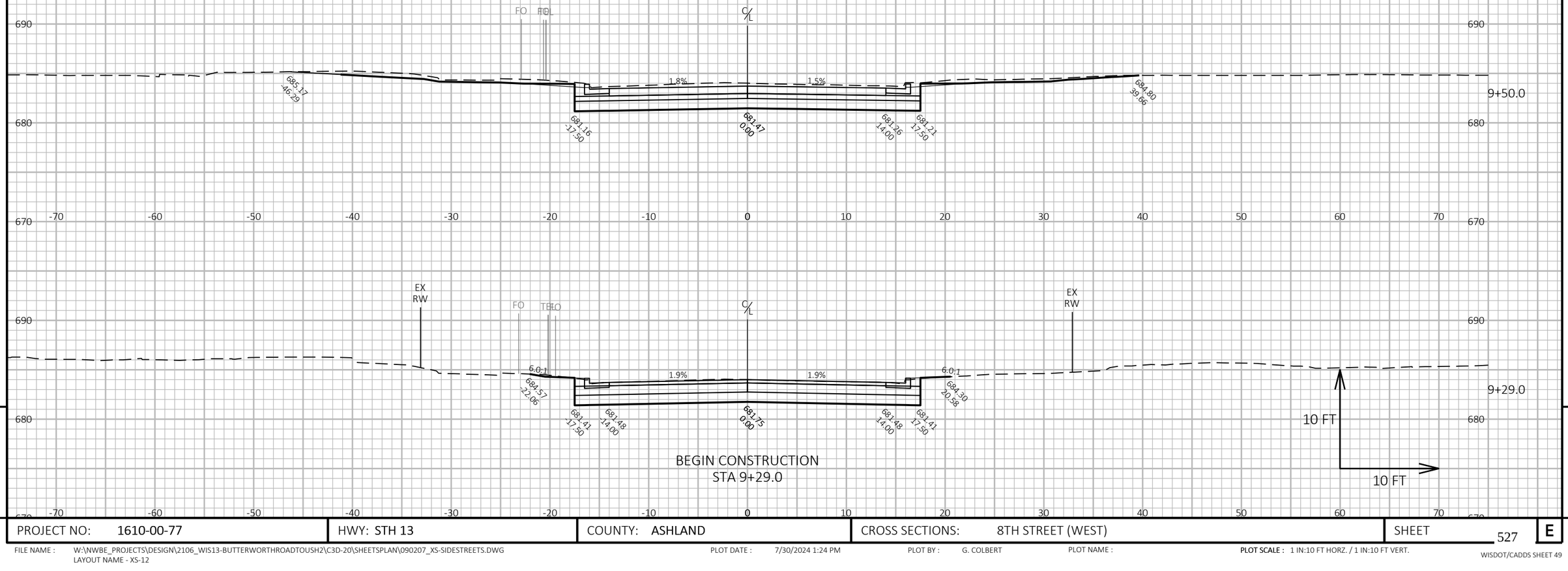
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: 9TH STREET (EAST)	SHEET 526	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-11

PLOT DATE : 7/30/2024 1:24 PM PLOT BY : G. COLBERT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

MATCH STH 13
STA 9+50.0



BEGIN CONSTRUCTION
STA 9+29.0

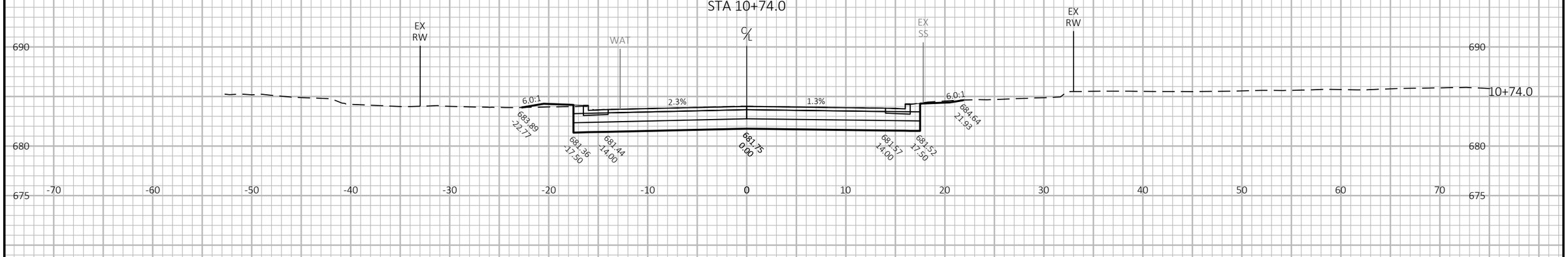
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: 8TH STREET (WEST)	SHEET 527	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-12

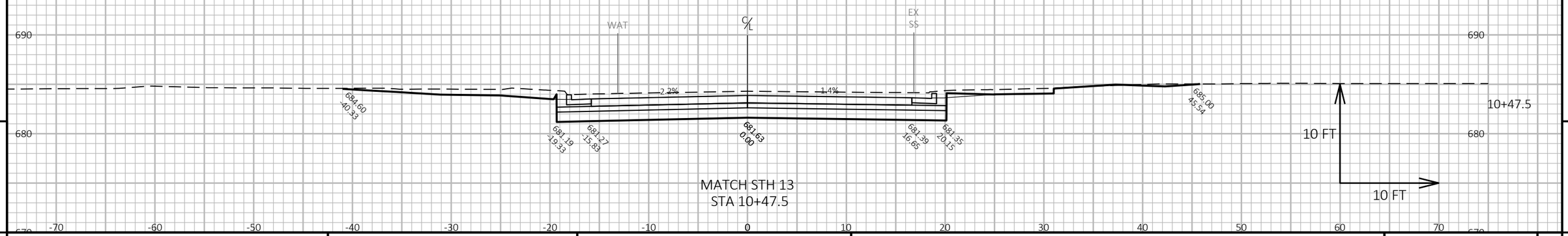
PLOT DATE : 7/30/2024 1:24 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 10+74.0







MATCH STH 13
STA 10+47.5

9

9

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: 8TH STREET (EAST)	SHEET 528	E

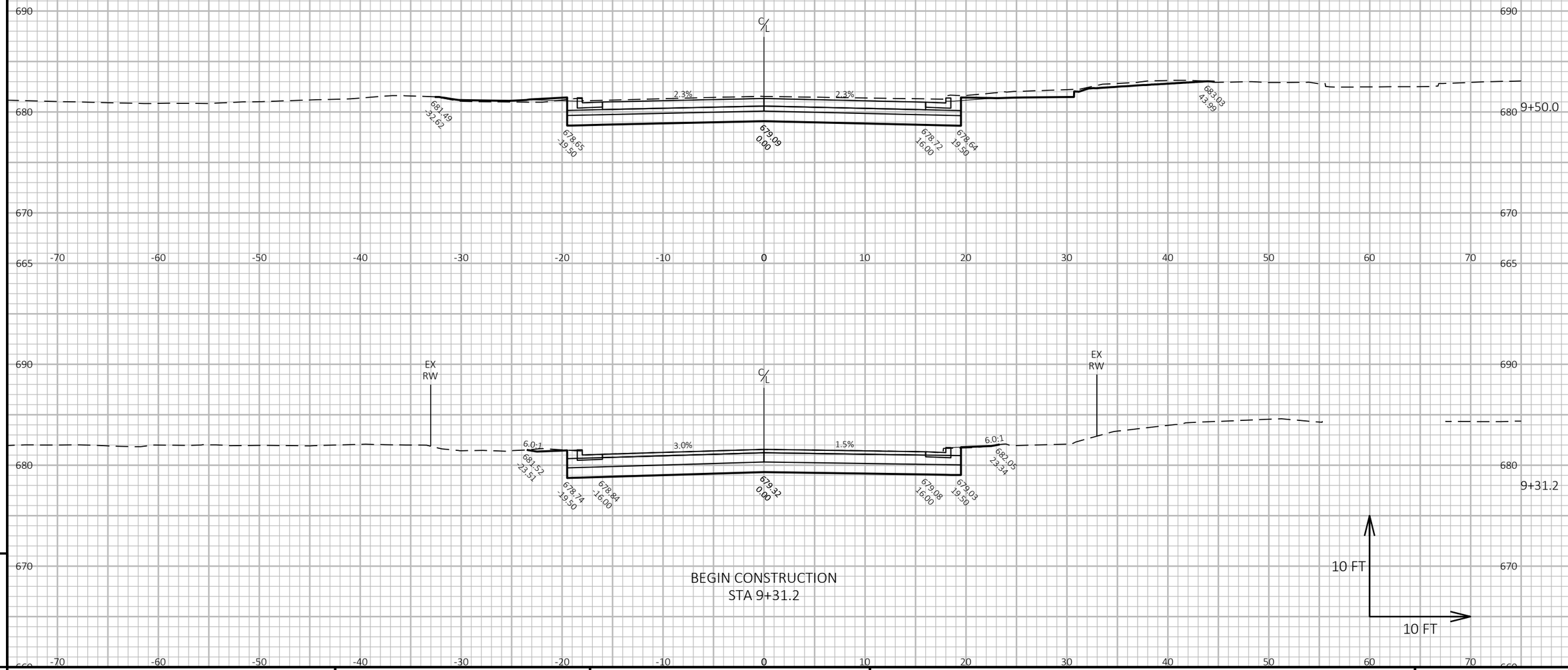
FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-13

PLOT DATE : 7/30/2024 1:24 PM PLOT BY : G. COLBERT PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

MATCH STH 13
STA 9+50.0



BEGIN CONSTRUCTION
STA 9+31.2

9

9

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: 7TH STREET (WEST)	SHEET 529	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-14

PLOT DATE : 7/30/2024 1:24 PM

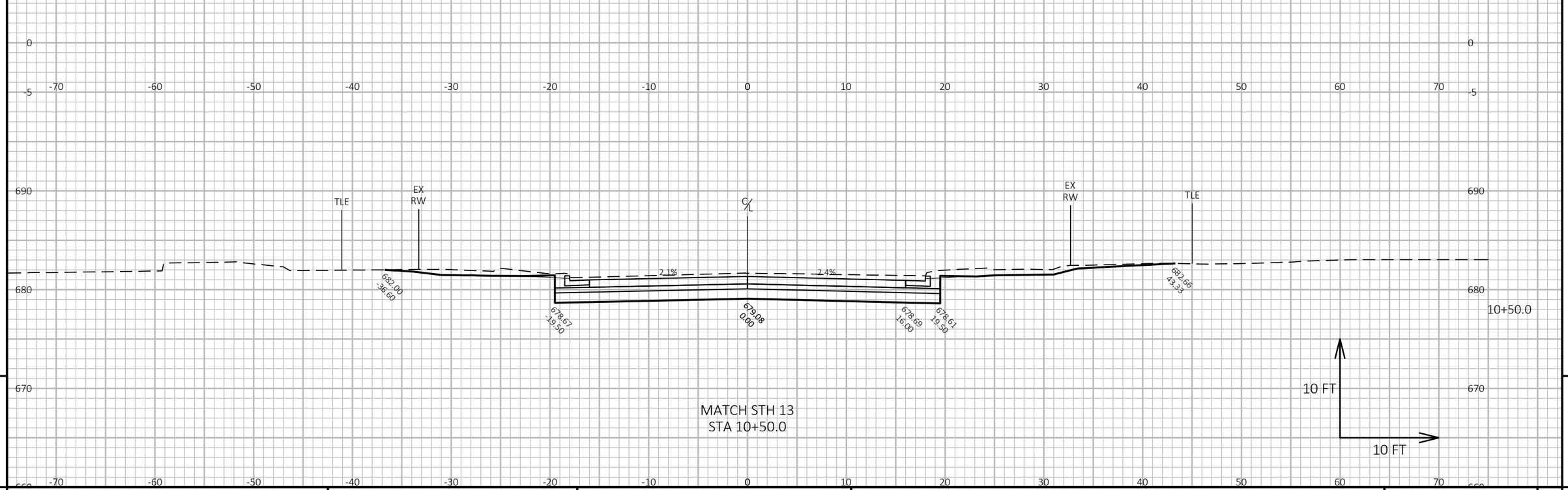
PLOT BY : G. COLBERT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 10+71.0



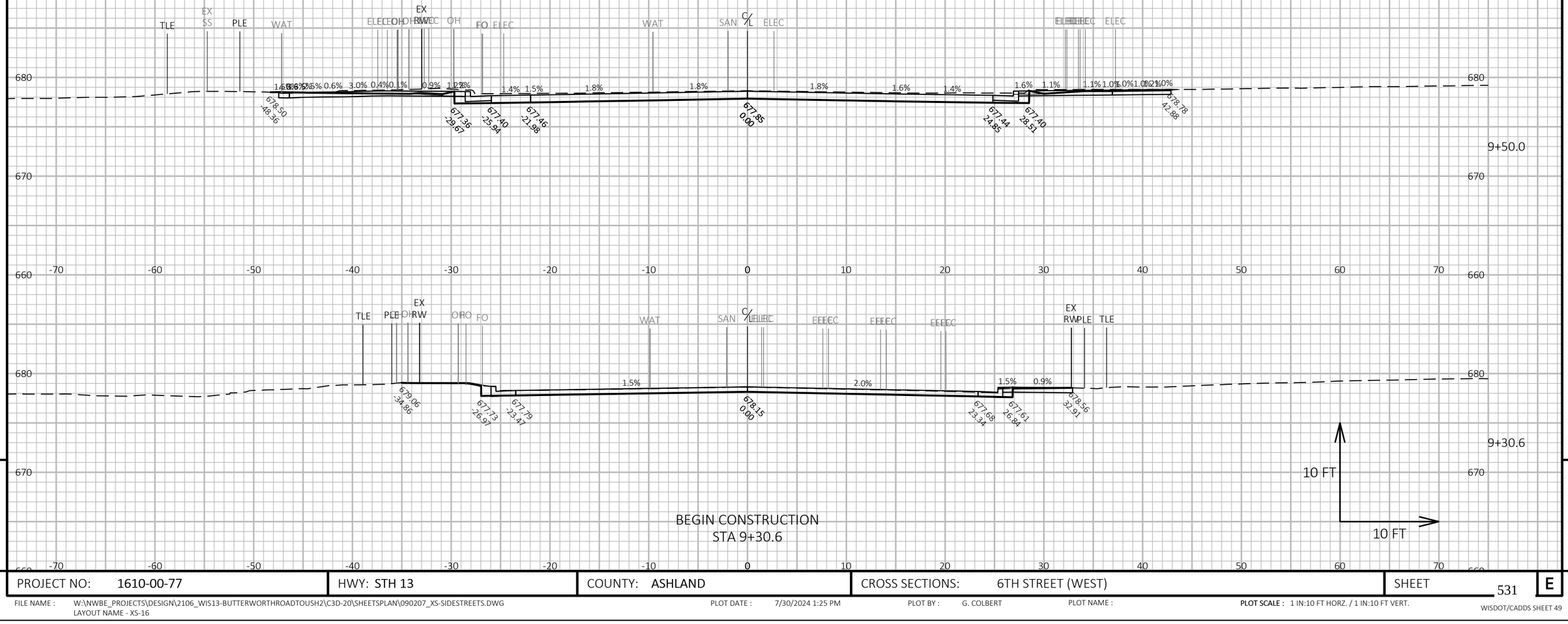
MATCH STH 13
STA 10+50.0

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: 7TH STREET (EAST)	SHEET 530	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-15

PLOT DATE : 7/30/2024 1:24 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

MATCH STH 13
STA 9+50.0



BEGIN CONSTRUCTION
STA 9+30.6

9

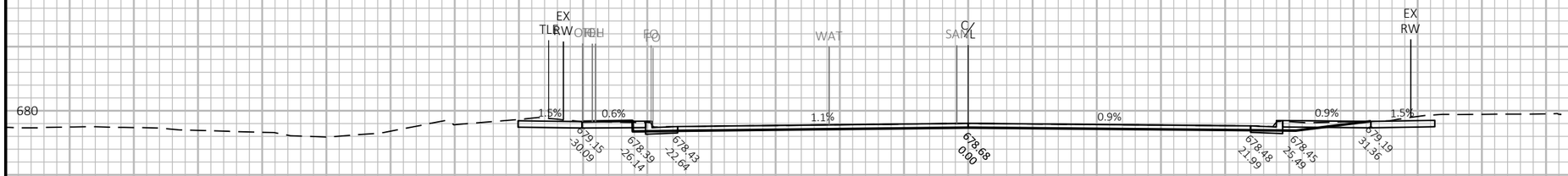
9

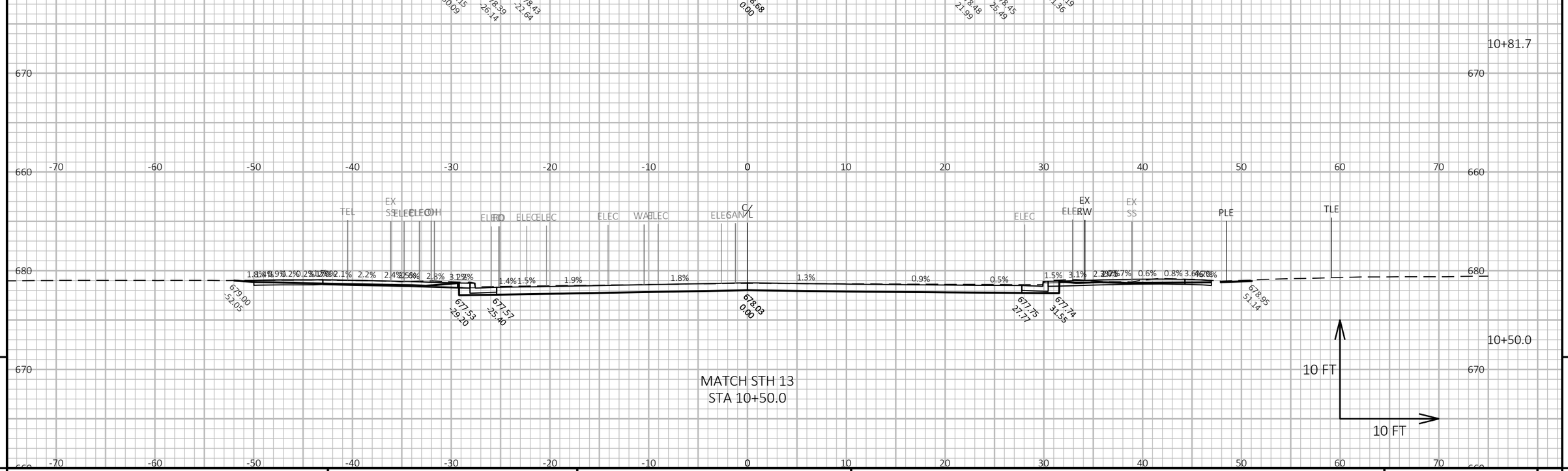
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: 6TH STREET (WEST)	SHEET 531	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-16

PLOT DATE : 7/30/2024 1:25 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

END CONSTRUCTION
STA 10+81.7





9 9

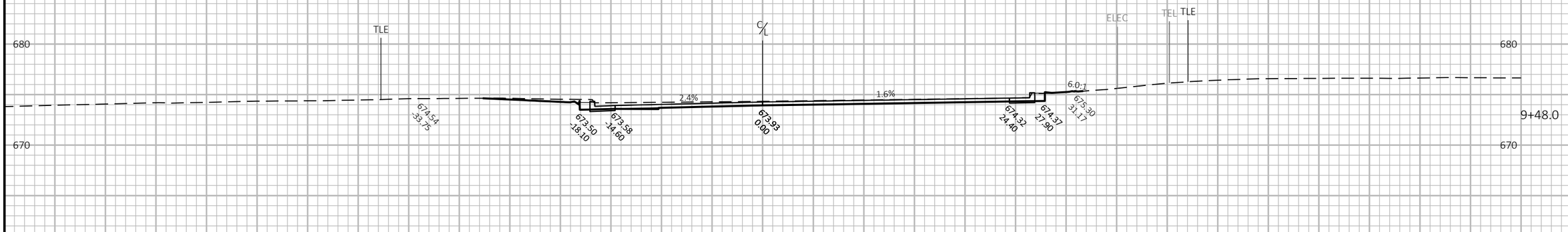
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: 6TH STREET (EAST)	SHEET 532	E

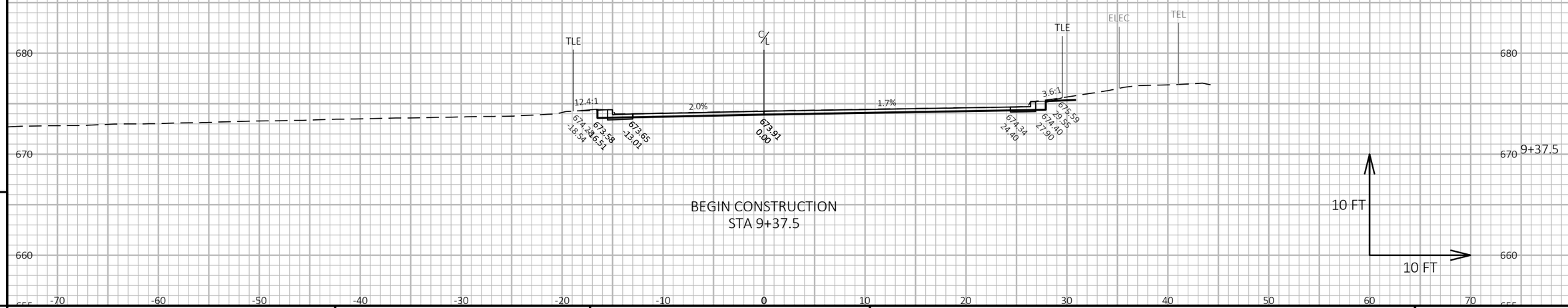
FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-17

PLOT DATE : 7/30/2024 1:25 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

MATCH STH 13
STA 9+49.2





BEGIN CONSTRUCTION
STA 9+37.5

9

9

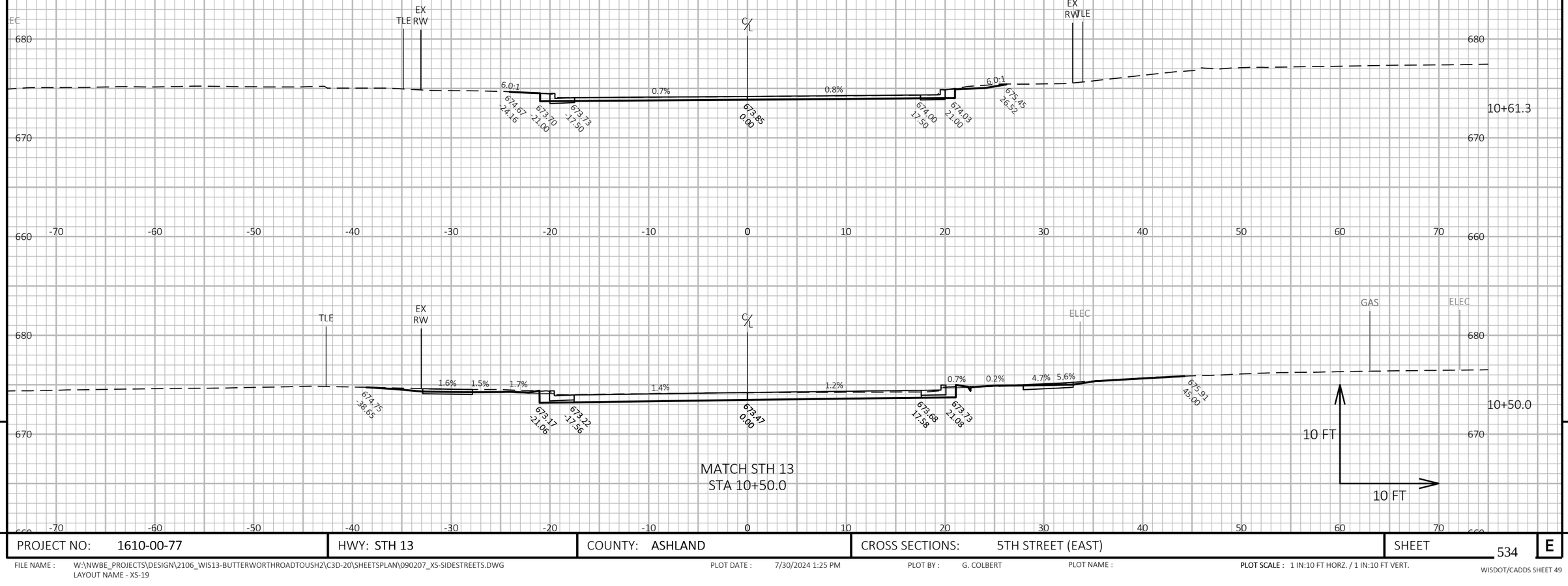
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: 5TH STREET (WEST)	SHEET 533	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-18

PLOT DATE : 7/30/2024 1:25 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION
STA 10+61.3



MATCH STH 13
STA 10+50.0

9

9

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: 5TH STREET (EAST)	SHEET 534	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-19

PLOT DATE : 7/30/2024 1:25 PM

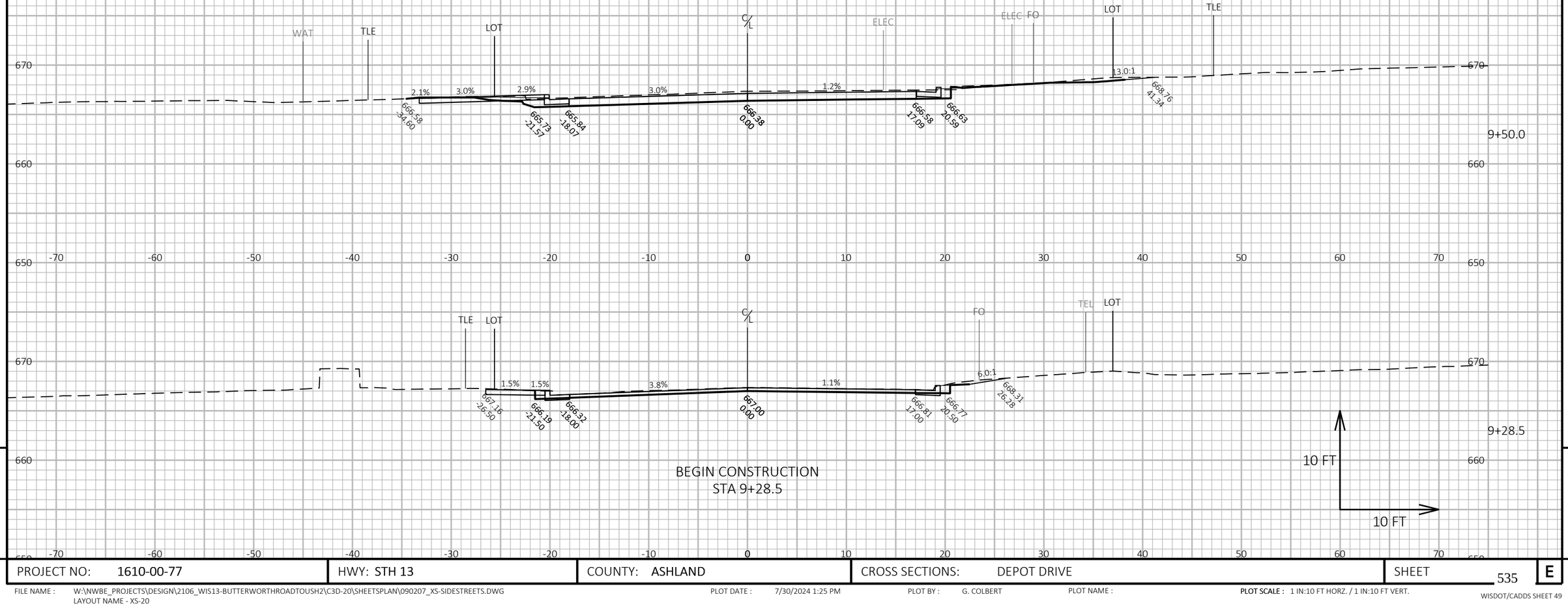
PLOT BY : G. COLBERT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

MATCH STH 13
STA 9+50.0



9

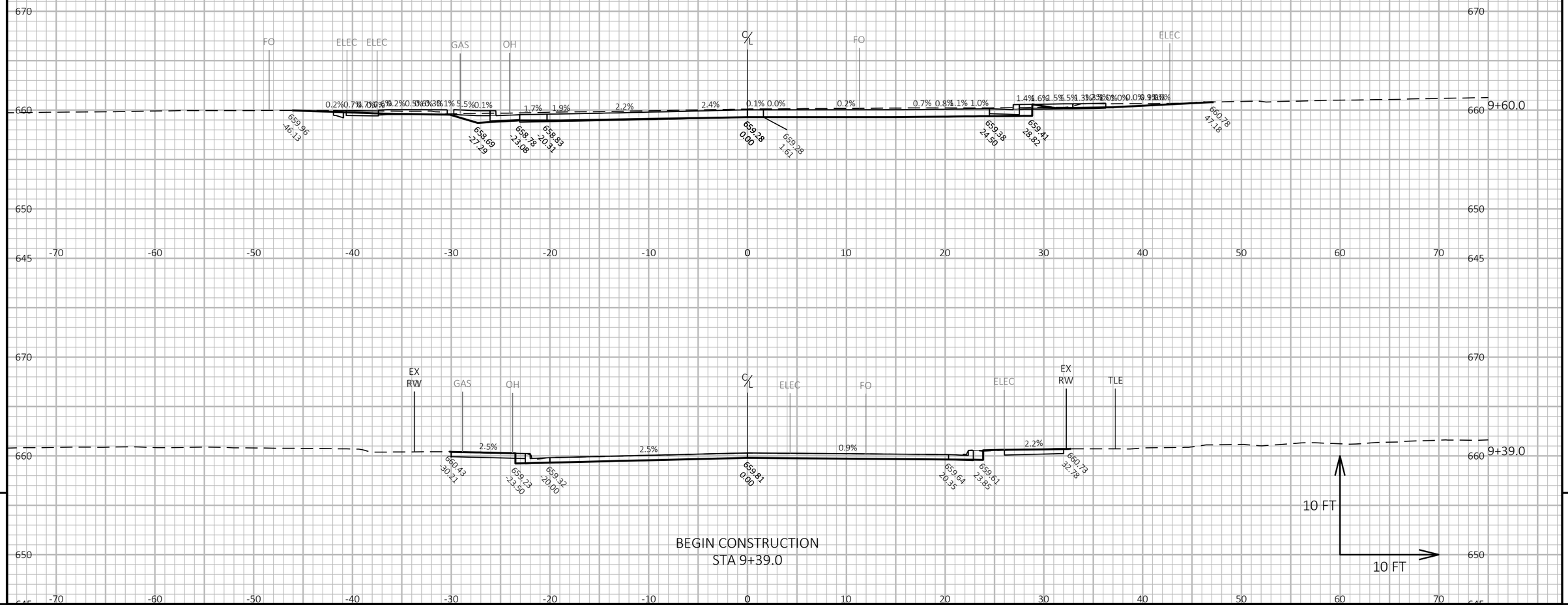
9

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: DEPOT DRIVE	SHEET 535	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-20

PLOT DATE : 7/30/2024 1:25 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

MATCH STH 13
STA 9+60.0

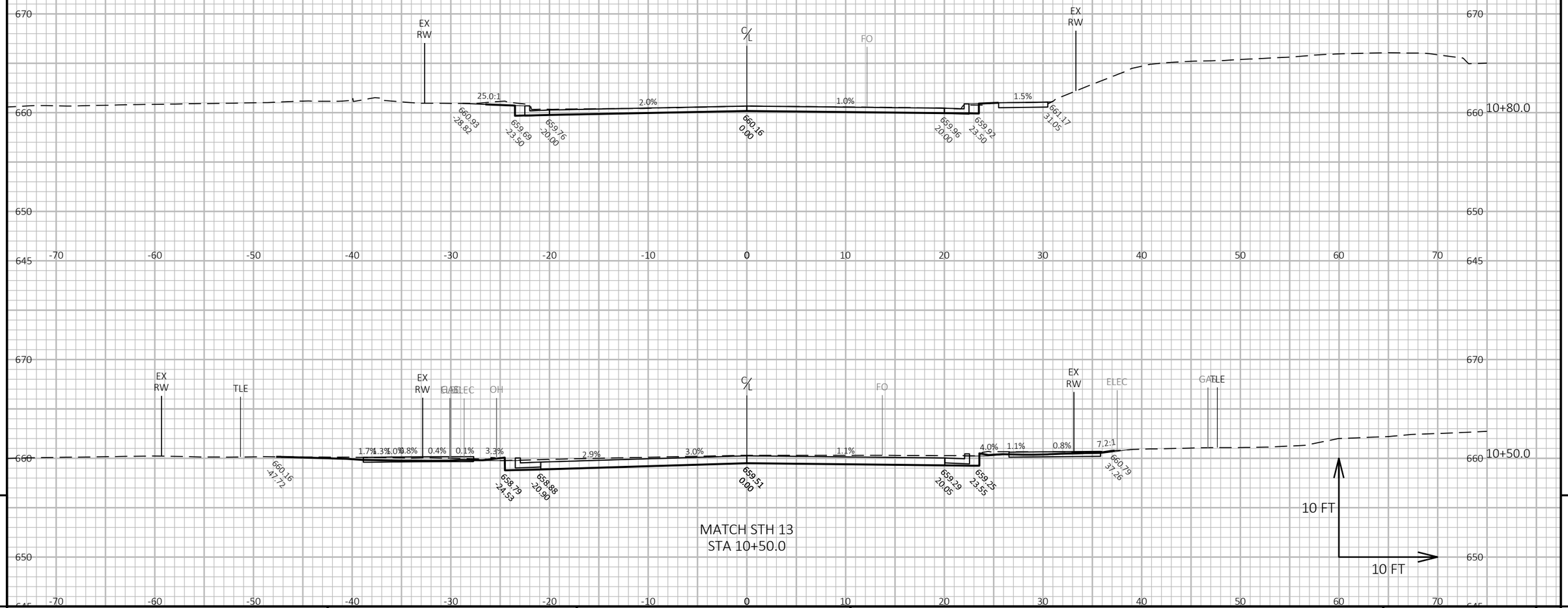


PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: 3RD STREET (WEST)	SHEET 536	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-21

PLOT DATE : 7/30/2024 1:25 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

END CONSTRUCTION
STA 10+80.0



9

9

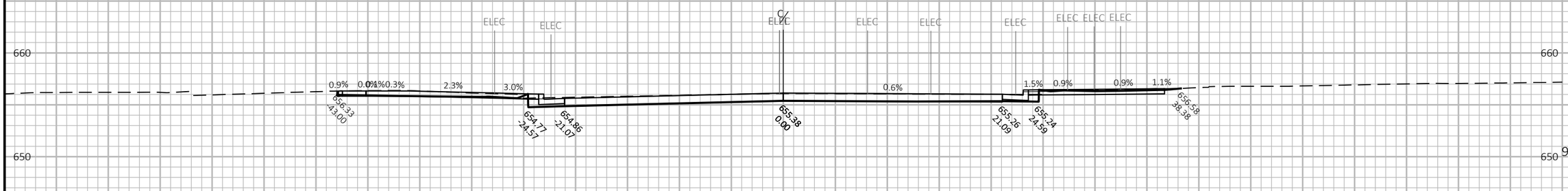
PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: 3RD STREET (EAST)	SHEET 537	E

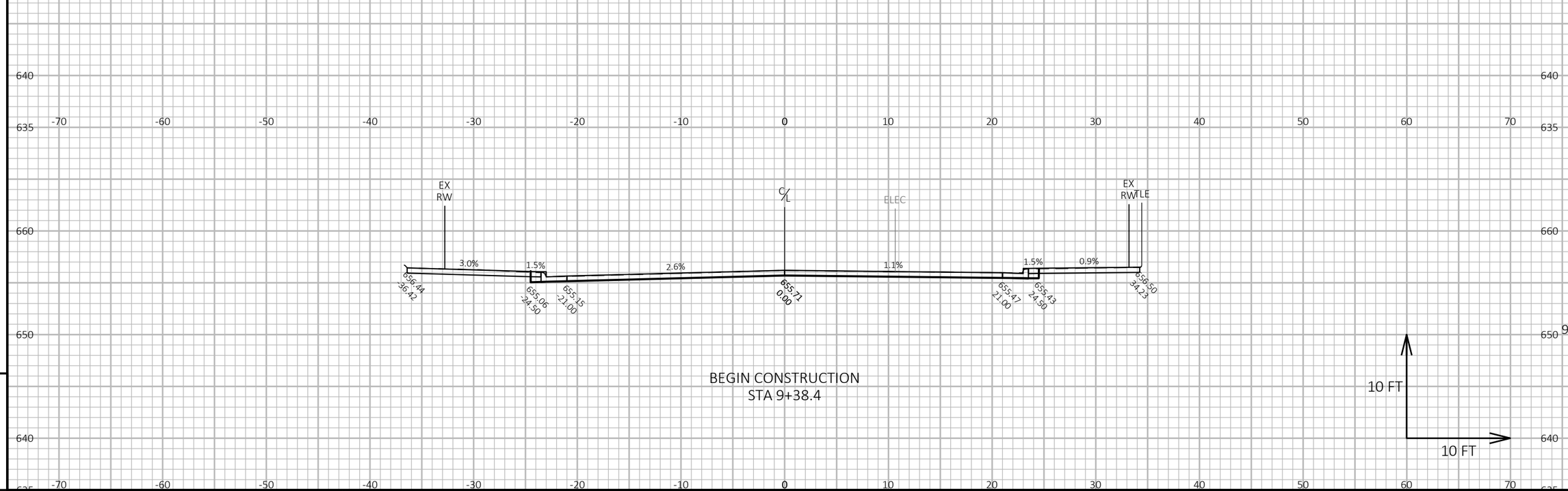
FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-22

PLOT DATE : 7/30/2024 1:25 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

MATCH STH 13
STA 9+50.0





BEGIN CONSTRUCTION
STA 9+38.4

9

9

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: MAIN STREET (WEST)	SHEET 538	E

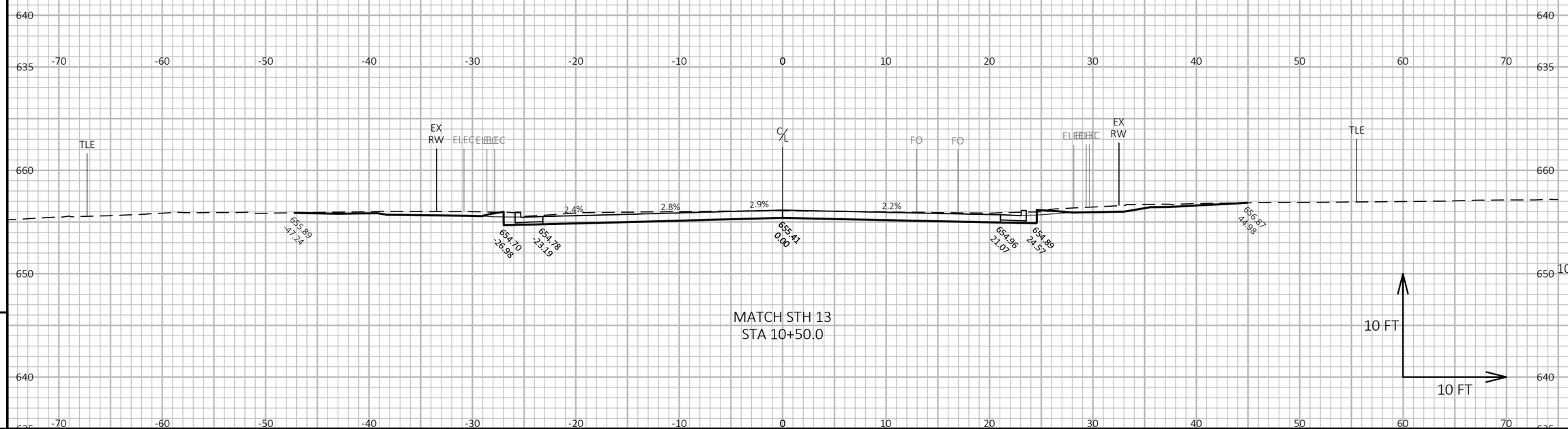
FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-23

PLOT DATE : 7/30/2024 1:25 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

END CONSTRUCTION
STA 10+70.3



10+70.3



10+50.0

MATCH STH 13
STA 10+50.0

9 9

PROJECT NO: 1610-00-77	HWY: STH 13	COUNTY: ASHLAND	CROSS SECTIONS: MAIN STREET (EAST)	SHEET 539	E

FILE NAME : W:\NWBE_PROJECTS\DESIGN\2106_WIS13-BUTTERWORTHROADTOUSH2\C3D-20\SHEETSPLAN\090207_XS-SIDESTREETS.DWG
LAYOUT NAME - XS-24

PLOT DATE : 7/30/2024 1:25 PM PLOT BY : G. COLBERT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

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